

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0016	Overall LMA Rating	Total LMA Miles						
Sacramento River West Side Levee District	A	49.64						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.02%	0.17			
Encroachments	0.02		0.02	0.04%	6.04			
Animal Control	0.01		0.01	0.02%				
<i>Supplemental</i>								
2017 USACE Erosion Survey, DRAFT	0.19		0.19	0.38%				
DWR UCIP Field Study					0.34	0.02		
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.23	0.00	0.23	0.46%	6.55	0.02	0.00	0.00

Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles						
NA0016	A	49.64						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.02%	0.17			
Encroachments	0.02		0.02	0.04%	6.04			
Animal Control	0.01		0.01	0.02%				
<i>Supplemental</i>								
2017 USACE Erosion Survey, DRAFT	0.19		0.19	0.38%				
DWR UCIP Field Study					0.34	0.02		
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.23	0.00	0.23	0.46%	6.55	0.02	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet
Fall 2018 Levee Inspection Results****Sacramento River West Side Levee District**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Sacramento River West Side Levee District

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	49.64
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/21/2018 - 3/26/2018		10/10/2018 - 10/10/2018	
DWR Inspector	Zach Jojola		Zach Jojola	
Accompanied By	Gary Marler RD0108		Gary Marler RD0108	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	27
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0016_01_s_2013_27				
Comment Code					
Inspector Comment					
District has the levee O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0016_01_s_2013_28				
Comment Code					
Inspector Comment					
District maintains a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	35
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0016_01_s_2013_35				
Comment Code					
Inspector Comment					
District has flood response plans and maintains flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.08	Rating **	A/W	Issue No.	104
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.800642 °	38.802413 °
				-121.724723 °	-121.724317 °
DWR ID	DWR_NA0016_01_s_2016_104				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.14	Rating **	M	Issue No.	1551
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.801471 °	38.801471 °
				-121.725171 °	-121.725171 °
DWR ID	20224				
Comment Code					
Inspector Comment					
FS_ID:10087 DS_ID:20224 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall on WS undermined about 3-4-feet. FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through the levee, 30.0 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pump house with walkway on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013					

Photo 1 of 3 : UCIP_FA_2018_10087_17235.jpg



Pumphouse at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1551 (cont)
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.801471 °	38.801471 °
				-121.725171 °	-121.725171 °
DWR ID	20224				
Comment Code					
Inspector Comment					
FS_ID:10087 DS_ID:20224 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall on WS undermined about 3-4-feet. FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through the levee, 30.0 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pump house with walkway on landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013					

LM Start	0.14	Rating **	M	Issue No.	1551 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10087_17234.jpg



Air vents at outlet on WS toe.

Photo 3 of 3 : UCIP_FA_2018_10087_17233.jpg



Slide gates at pumphouse on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1552
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.801479 °	38.801479 °
				-121.725176 °	-121.725176 °
DWR ID	20356				
Comment Code					
Inspector Comment					
FS_ID:10085 DS_ID:20356 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013					

LM Start	0.14	Rating **	M	Issue No.	1552 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10085_17227.jpg



Pump house on LS toe.

Photo 2 of 3 : UCIP_FA_2018_10085_17226.jpg



Air vents on pipes at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1552 (cont)
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.801479 °	38.801479 °
				-121.725176 °	-121.725176 °
DWR ID	20356				
Comment Code					
Inspector Comment					
FS_ID:10085 DS_ID:20356 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013					

Photo 3 of 3 : UCIP_FA_2018_10085_17225.jpg



Slide gates at pumphouse on LS toe.

LM Start	0.14	Rating **	M	Issue No.	1553	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.801491 °		38.801491 °
				-121.725184 °		-121.725184 °
DWR ID	20357					
Comment Code						
Inspector Comment						
FS_ID:10910 DS_ID:20357 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013						

Photo 1 of 3 : UCIP_FA_2018_10910_18185.jpg



Pumphouse on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.14	Rating **	M	Issue No.	1553 (cont)
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.801491°	38.801491°
				-121.725184°	-121.725184°
DWR ID	20357				
Comment Code					
Inspector Comment					
FS_ID:10910 DS_ID:20357 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall undermined 3-4-feet on WS toe. FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through the levee, 30 feet below the crown. Flap gate on the waterside (WS) end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps inside pump house with a walkway on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.15)]. FS Date: 3/12/2013					

LM Start	0.14	Rating **	M	Issue No.	1553 (cont)
LM End	0.14	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10910_18184.jpg



Air vents on pipes at WS toe.

Photo 3 of 3 : UCIP_FA_2018_10910_18183.jpg



Slide gates at pumphouse on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.22	Rating **	A/W	Issue No.	1554	
LM End	0.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.802293 °	38.802293 °	
				-121.724847 °	-121.724847 °	
DWR ID	20327					
Comment Code						
Inspector Comment						
FS_ID:10088						
DS_ID:20327						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: *ABANDONED* 42-inch drainage pipe of an unknown material through the levee, 28.5 feet below the crown.						
Abandoned in place by plugging with concrete. Headwall on waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 0.22)].						
FS Date: 3/12/2013						

Photo 1 of 1 : UCIP_FA_2018_10088_17237.jpg



Concrete headwall visible on WS toe.

LM Start	0.47	Rating **	M	Issue No.	1555
LM End	0.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.805353°	38.805353°
				-121.724207°	-121.724207°
DWR ID	20226				
Comment Code					
Inspector Comment					
FS_ID:10103 DS_ID:20226 EP_NO: 1331 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: There is no gate in the slide gate at the concrete distribution box off the landside toe. This may not be an issue as there is a slide gate at the WS toe. FIELD_STRUCT_DESC: 54-inch corrugated metal irrigation pipe through the levee, 28 feet below the crown. Vertical pumps on a pile structure in the stream. Walkway to pumps. Flap gates from pumps and slide gate inside a 7-foot by 10-foot concrete surge box on the waterside (WS), 1948 installation. 15-foot by 18-foot concrete distribution box 150 feet off landside (LS) toe with slide gate. (Permit No. 1331, 1948 - River Farms Company of California). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.47)]. FS Date: 3/25/2013 7:36:51 AM					

Photo 1 of 3 : UCIP_FA_2018_10103_17262.jpg



Concrete distribution box on 150-feet off landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	0.47	Rating **	M	Issue No.	1555 (cont)	
LM End	0.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.805353 °	38.805353 °	
				-121.724207 °	-121.724207 °	
DWR ID	20226					
Comment Code						
Inspector Comment						
FS_ID:10103 DS_ID:20226 EP_NO: 1331 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: There is no gate in the slide gate at the concrete distribution box off the landside toe. This may not be an issue as there is a slide gate at the WS toe. FIELD_STRUCT_DESC: 54-inch corrugated metal irrigation pipe through the levee, 28 feet below the crown. Vertical pumps on a pile structure in the stream. Walkway to pumps. Flap gates from pumps and slide gate inside a 7-foot by 10-foot concrete surge box on the waterside (WS), 1948 installation. 15-foot by 18-foot concrete distribution box 150 feet off landside (LS) toe with slide gate. (Permit No. 1331, 1948 - River Farms Company of California). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 0.47)]. FS Date: 3/25/2013 7:36:51 AM						

LM Start	0.47	Rating **	M	Issue No.	1555 (cont)
LM End	0.47	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_10103_17261.jpg



Pumping plant with concrete surge box and slide gate in foreground-off WS toe.

Photo 3 of 3 : UCIP_FA_2018_10103_17260.jpg



Vents for 3 pipes entering surge box on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	2.40	Rating **	M	Issue No.	1550
LM End	2.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.832295 °	38.832295 °
				-121.729408 °	-121.729408 °
DWR ID	DWR_NA0016_01_f_2013_1550				
Comment Code					
EQ : Equipment					
Inspector Comment					
Equipment are at the levee toe.					

LM Start	2.40	Rating **	M	Issue No.	1550 (cont)
LM End	2.40	Issue Type +	En	Location *	LS

Photo 1 of 2 : FA_2018_NA0016_435_1550_20180904_00057.jpg



Pieces of machinery and debris at the levee toe. Spring 2014

Photo 2 of 2 : FA_2018_NA0016_435_1550_20180904_00058.jpg



View of the machinery along the landward levee toe looking upstream.
Fall 2015.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	3.54	Rating **	A/W	Issue No.	1556
LM End	3.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.846492 °	38.846492 °
				-121.730066 °	-121.730066 °
DWR ID	20331				
Comment Code					
Inspector Comment					
FS_ID:10125 DS_ID:20331 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 5-foot by 5-foot reinforced concrete box drainage tunnel through the levee, 33 feet below the crown. Slide gate at outlet on the waterside (WS) toe. Tunnel runs from concrete U-shaped riser unit on the landside (LS) shoulder to the WS toe. Steel walkway to slide gate actuator on the WS berm. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)]. FS Date: 3/12/2013					

Photo 1 of 3 : UCIP_FA_2018_10125_17283.jpg



Steel walkway on WS berm with Slide gate actuator.

LM Start	3.54	Rating **	A/W	Issue No.	1556 (cont)
LM End	3.54	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10125_17282.jpg



Pumphouse at LS toe and concrete riser on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	3.54	Rating **	A/W	Issue No.	1556 (cont)	
LM End	3.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.846492 °		38.846492 °
				-121.730066 °		-121.730066 °
DWR ID	20331					
Comment Code						
Inspector Comment						
FS_ID:10125 DS_ID:20331 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 5-foot by 5-foot reinforced concrete box drainage tunnel through the levee, 33 feet below the crown. Slide gate at outlet on the waterside (WS) toe. Tunnel runs from concrete U-shaped riser unit on the landside (LS) shoulder to the WS toe. Steel walkway to slide gate actuator on the WS berm. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 3.59)]. FS Date: 3/12/2013						

Photo 3 of 3 : UCIP_FA_2018_10125_17281.jpg



Slide gate at outlet at river side.

LM Start	3.56	Rating **	M	Issue No.	8
LM End	3.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.846785 °	38.850758 °
				-121.729995 °	-121.725263 °
DWR ID	DWR_NA0016_01_s_2012_8				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined ditch runs along the levee toe.					

Photo 1 of 1 : FA_2018_NA0016_435_8_20180904_00001.jpg



View of the ditch on the landward side of the levee looking upstream.
Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	3.94	Rating **	C	Issue No.	119
LM End	4.06	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.850817 °	38.851869 °
				-121.725431 °	-121.725569 °
DWR ID	DWR_NA0016_01_f _ 2017_119				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:183					
Site Designation:SRWLD-01					
Repair Type: Seepage					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes:Corrected as of inspection date.					

No Photos

LM Start	4.80	Rating **	M	Issue No.	9
LM End	4.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.859446 °	38.859446 °
				-121.732774 °	-121.732774 °
DWR ID	DWR_NA0016_01_s_2012_9				
Comment Code					
FE : Fence					
Inspector Comment					
chain link fence runs along levee					

Photo 1 of 1 : FA_2018_NA0016_435_9_20180904_00002.jpg



View of the chain link fence along the landward levee toe looking upstream. The fence does not obstruct the view. Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	5.69	Rating **	A/W	Issue No.	120
LM End	6.74	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.865120°	38.865980°
				-121.747020°	-121.758060°
DWR ID	DWR_NA0016_01_f_2017_120				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:207 Site Designation:158-29 Repair Type: Seepage Rating: Field Date: Notes: Being repaired as of inspection date.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	6.82	Rating **	M	Issue No.	1557	
LM End	6.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.864844 °	38.864844 °	
				-121.757540 °	-121.757540 °	
DWR ID	25126					
Comment Code						
Inspector Comment						
FS_ID:46766 DS_ID:25126 EP_NO: 8501 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: a few actions are recommended based on field inspection: 1. clear out metal fence posts near daylight of pipe on water side levee. 2. clear vegetation around pipes on water side of levee to aid in inspection. 3. monitor burrowing activities on water side of levee. FIELD_STRUCT_DESC: 2 of 2: 20-inch steel irrigation pipe, at an unknown depth, and 16-inch steel irrigation pipe, at an unknown depth, are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the waterside (WS) of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pump house, supported on a steel frame, is located on a bench on the WS of the levee. When the pumps are operational, a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers inside corrugated metal riser units on the landside (LS) crest of the levee. The pipes discharge under submerged conditions to a 9.5-foot by 12-foot concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals. FS Date: 10/9/2015						

LM Start	6.82	Rating **	M	Issue No.	1557 (cont)
LM End	6.82	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_46766_74705.jpg



view from levee crest along pipe looking towards water side. shows pipe daylight and pump house

Photo 2 of 3 : UCIP_FA_2018_46766_74706.jpg



view from levee crest along pipe looking towards land side. shows siphon breaker standpipes and distribution box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	6.82	Rating **	M	Issue No.	1557 (cont)	
LM End	6.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.864844 °	38.864844 °	
				-121.757540 °	-121.757540 °	
DWR ID	25126					
Comment Code						
Inspector Comment						
FS_ID:46766 DS_ID:25126 EP_NO: 8501 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: a few actions are recommended based on field inspection: 1. clear out metal fence posts near daylight of pipe on water side levee. 2. clear vegetation around pipes on water side of levee to aid in inspection. 3. monitor burrowing activities on water side of levee. FIELD_STRUCT_DESC: 2 of 2: 20-inch steel irrigation pipe, at an unknown depth, and 16-inch steel irrigation pipe, at an unknown depth, are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the waterside (WS) of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pump house, supported on a steel frame, is located on a bench on the WS of the levee. When the pumps are operational, a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers inside corrugated metal riser units on the landside (LS) crest of the levee. The pipes discharge under submerged conditions to a 9.5-foot by 12-foot concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals. FS Date: 10/9/2015						

Photo 3 of 3 : UCIP_FA_2018_46766_74707.jpg



pipe intake in river. shows pipes entering water and track for drum fish screen.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	6.82	Rating **	M	Issue No.	1558	
LM End	6.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.864873 °	38.864873 °	
				-121.757521 °	-121.757521 °	
DWR ID	25125					
Comment Code						
Inspector Comment						
FS_ID:46765 DS_ID:25125 EP_NO: 8501 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: field inspection of the site revealed a few minor actions: 1. there are metal fence posts located near the pipe that should be cleared out for safety, 2. vegetation around the pipes should be cleared as it limits inspection, 3. some burrowing activity was noticed nearby the pipes. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation pipe, at an unknown depth, and 16-inch steel irrigation pipe, at an unknown depth, are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the waterside (WS) of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pump house, supported on a steel frame, is located on a bench on the WS of the levee. When the pumps are operational, a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers inside corrugated metal riser units on the landside (LS) crest of the levee. The pipes discharge under submerged conditions to a 9.5-foot by 12-foot concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals. FS Date: 10/9/2015 9:00:32 AM						

LM Start	6.82	Rating **	M	Issue No.	1558 (cont)
LM End	6.82	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_46765_74700.jpg



view from levee crest along pipe profile on water side of levee. pipe daylight from levee and pumphouse.

Photo 2 of 3 : UCIP_FA_2018_46765_74701.jpg



view from levee crest along pipe profile toward land side of levee. CMP risers with siphon breakers and distribution box near land side levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	6.82	Rating **	M	Issue No.	1558 (cont)
LM End	6.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864873 °	38.864873 °
				-121.757521 °	-121.757521 °
DWR ID	25125				

Comment Code

Inspector Comment

FS_ID:46765
DS_ID:25125
EP_NO: 8501
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: field inspection of the site revealed a few minor actions: 1. there are metal fence posts located near the pipe that should be cleared out for safety, 2. vegetation around the pipes should be cleared as it limits inspection, 3. some burrowing activity was noticed nearby the pipes.
FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation pipe, at an unknown depth, and 16-inch steel irrigation pipe, at an unknown depth, are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the waterside (WS) of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pump house, supported on a steel frame, is located on a bench on the WS of the levee. When the pumps are operational, a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers inside corrugated metal riser units on the landside (LS) crest of the levee. The pipes discharge under submerged conditions to a 9.5-foot by 12-foot concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals.
FS Date: 10/9/2015 9:00:32 AM

Photo 3 of 3 : UCIP_FA_2018_46765_74702.jpg



pipe intake in river. track above pipe is for drum fish screen.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	6.82	Rating **	M	Issue No.	1559
LM End	6.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864862°	38.864862°
				-121.757516°	-121.757516°
DWR ID	20228				
Comment Code					
Inspector Comment					
FS_ID:10129 DS_ID:20228 EP_NO: 1297 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak at flowmeter on WS berm may become problem in near future. FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 16-inch steel irrigation pipe through the levee, 5.2 feet below the crown. Slant pumps in a metal pump house on the waterside (WS) bank, supported on a steel structure. Pipes discharge into a 9.5-foot by 12-foot concrete distribution box on the landside (LS). Sparline flow meter on pipes near the WS toe. (Permit No. 1297, 1948 - River Farms Company of California; removed under Permit No. 8501, 2012 - River Garden Farms, Inc.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 6.89) listed as a 14-inch pipe]. FS Date: 3/12/2013					

LM Start	6.82	Rating **	M	Issue No.	1559 (cont)
LM End	6.82	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_10129_17291.jpg



Minor leak at flowmeter on WS berm.

Photo 2 of 3 : UCIP_FA_2018_10129_17290.jpg



Pumphouse and steps on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	6.82	Rating **	M	Issue No.	1559 (cont)	
LM End	6.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.864862°	38.864862°	
				-121.757516°	-121.757516°	
DWR ID	20228					
Comment Code						
Inspector Comment						
FS_ID:10129 DS_ID:20228 EP_NO: 1297 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak at flowmeter on WS berm may become problem in near future. FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 16-inch steel irrigation pipe through the levee, 5.2 feet below the crown. Slant pumps in a metal pump house on the waterside (WS) bank, supported on a steel structure. Pipes discharge into a 9.5-foot by 12-foot concrete distribution box on the landside (LS). Sparline flow meter on pipes near the WS toe. (Permit No. 1297, 1948 - River Farms Company of California; removed under Permit No. 8501, 2012 - River Garden Farms, Inc.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 6.89) listed as a 14-inch pipe]. FS Date: 3/12/2013						

Photo 3 of 3 : UCIP_FA_2018_10129_17289.jpg



Pipe and fish screen ramp on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	7.86	Rating **	M	Issue No.	1560	
LM End	7.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.861018 °	38.861018 °	
				-121.769651 °	-121.769651 °	
DWR ID	20428					
Comment Code						
Inspector Comment						
FS_ID:10144						
DS_ID:20428						
EP_NO: 18206						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Flap gates rusted through at concrete distribution box on LS toe.						
FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Slant pump inside pump house on the waterside (WS) berm. Siphon breaker inside corrugated metal riser unit on the shoulder. Flap gate on pipe inside concrete distribution box on the landside (LS). Wooden steps on both slopes. (Permit No. 18206, 2007 - River Garden Farms). (Replaced 20-inch pipe installed under Permit No. 9377, 1974 - Faye Properties, Inc.). [Additional Reference(s): DWR Levee Log, 2006].						
FS Date: 3/13/2013						

LM Start	7.86	Rating **	M	Issue No.	1560 (cont)
LM End	7.86	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_10144_17307.jpg



Stairs, distribution box, and air vent in CMP riser on LS.

Photo 2 of 3 : UCIP_FA_2018_10144_17306.jpg



Stairs and pump on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	7.86	Rating **	M	Issue No.	1560 (cont)	
LM End	7.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.861018 °	38.861018 °	
				-121.769651 °	-121.769651 °	
DWR ID	20428					
Comment Code						
Inspector Comment						
FS_ID:10144						
DS_ID:20428						
EP_NO: 18206						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Flap gates rusted through at concrete distribution box on LS toe.						
FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Slant pump inside pump house on the waterside (WS) berm. Siphon breaker inside corrugated metal riser unit on the shoulder. Flap gate on pipe inside concrete distribution box on the landside (LS). Wooden steps on both slopes. (Permit No. 18206, 2007 - River Garden Farms). (Replaced 20-inch pipe installed under Permit No. 9377, 1974 - Faye Properties, Inc.). [Additional Reference(s): DWR Levee Log, 2006].						
FS Date: 3/13/2013						

Photo 3 of 3 : UCIP_FA_2018_10144_17305.jpg



Air vent in CMP riser on LS shoulder.

LM Start	7.86	Rating **	M	Issue No.	1561	
LM End	7.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.861017 °	38.861017 °	
				-121.769658 °	-121.769658 °	
DWR ID	20427					
Comment Code						
Inspector Comment						
FS_ID:10143 DS_ID:20427 EP_NO: 18206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gates rusted through at LS distribution box. FIELD_STRUCT_DESC: 2 of 2: 16-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Slant pump inside pump house on the waterside (WS) berm. Siphon breaker inside corrugated metal riser unit on the shoulder. Flap gate on pipe inside concrete distribution box on the landside (LS). Wooden steps on both slopes. (Permit No. 18206, 2007 - River Garden Farms). (Replaced 16-inch pipe installed under Permit No. 9377, 1974 - Faye Properties, Inc.). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/13/2013						

Photo 1 of 3 : UCIP_FA_2018_10143_17302.jpg



Steps, air vent in riser, and distribution box on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	7.86	Rating **	M	Issue No.	1561 (cont)	
LM End	7.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.861017 °		38.861017 °
				-121.769658 °		-121.769658 °
DWR ID	20427					
Comment Code						
Inspector Comment						
FS_ID:10143 DS_ID:20427 EP_NO: 18206 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gates rusted through at LS distribution box. FIELD_STRUCT_DESC: 2 of 2: 16-inch steel irrigation pipe through the levee, 4.7 feet below the crown. Slant pump inside pump house on the waterside (WS) berm. Siphon breaker inside corrugated metal riser unit on the shoulder. Flap gate on pipe inside concrete distribution box on the landside (LS). Wooden steps on both slopes. (Permit No. 18206, 2007 - River Garden Farms). (Replaced 16-inch pipe installed under Permit No. 9377, 1974 - Faye Properties, Inc.). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/13/2013						

Photo 2 of 3 : UCIP_FA_2018_10143_17301.jpg



Stairs, pump platform on WS.

LM Start	7.86	Rating **	M	Issue No.	1561 (cont)
LM End	7.86	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_10143_17300.jpg



Vent in riser on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.55	Rating **	A/W	Issue No.	112
LM End	8.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.857422°	38.857422°
				-121.780870°	-121.780870°
DWR ID	DWR_NA0016_01_s_2018_112				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Location on waterside berm where oak tree fell and removed soil around the roots. There is a bend in the river at this location and has to potential to erode. Recommend monitoring.					

LM Start	8.55	Rating **	A/W	Issue No.	112 (cont)
LM End	8.55	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2018_NA0016_435_112_20180904_00028.jpg



View of the berm where the oak tree used to stand, facing the Sacramento River. Spring 2018.

Photo 2 of 3 : FA_2018_NA0016_435_112_20180904_00029.jpg



View of the remaining roots, facing upstream. Spring 2018.

LM Start	8.55	Rating **	A/W	Issue No.	112 (cont)
LM End	8.55	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2018_NA0016_435_112_20180904_00030.jpg



Additional view of the berm. Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.89	Rating **	A/W	Issue No.	1562	
LM End	8.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856531 °	38.856531 °	
				-121.785605 °	-121.785605 °	
DWR ID	20230					
Comment Code						
Inspector Comment						
FS_ID:10146						
DS_ID:20230						
EP_NO: 9376						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 1 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage pipe through the levee, 26.5 feet below the crown. Gate valves on the waterside (WS) ends of the pipes. Walkway provided to the control valves and around the pump house on the landside (LS). Pipes originate in a large concrete pool at the pump house on the LS. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)].						
FS Date: 3/13/2013						

Photo 1 of 3 : UCIP_FA_2018_10146_17312.jpg



Pumphouse on LS toe.

LM Start	8.89	Rating **	A/W	Issue No.	1562 (cont)
LM End	8.89	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10146_17311.jpg



Walkway to slide gate actuators on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.89	Rating **	A/W	Issue No.	1562 (cont)	
LM End	8.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856531 °	38.856531 °	
				-121.785605 °	-121.785605 °	
DWR ID	20230					
Comment Code						
Inspector Comment						
FS_ID:10146 DS_ID:20230 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 1 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage pipe through the levee, 26.5 feet below the crown. Gate valves on the waterside (WS) ends of the pipes. Walkway provided to the control valves and around the pump house on the landside (LS). Pipes originate in a large concrete pool at the pump house on the LS. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013						

Photo 3 of 3 : UCIP_FA_2018_10146_17310.jpg



Pipes at outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1563
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.856554 °	38.856554 °
				-121.785613 °	-121.785613 °
DWR ID	20361				
Comment Code					
Inspector Comment					
FS_ID:10147 DS_ID:20361 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 2 of 4: 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the gate valves on the waterside (WS) shoulder. Pipe not visible on landside (LS) toe. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; now work was done in 2013 at this location). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013					

LM Start	8.90	Rating **	A/W	Issue No.	1563 (cont)
LM End	8.90	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10147_17316.jpg



Pumphouse on LS toe.

Photo 2 of 3 : UCIP_FA_2018_10147_17315.jpg



Walkway to slide gate actuators on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1563 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856554 °	38.856554 °	
				-121.785613 °	-121.785613 °	
DWR ID	20361					
Comment Code						
Inspector Comment						
FS_ID:10147						
DS_ID:20361						
EP_NO: 9376						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 2 of 4: 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the gate valves on the waterside (WS) shoulder. Pipe not visible on landside (LS) toe. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; now work was done in 2013 at this location). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)].						
FS Date: 3/13/2013						

Photo 3 of 3 : UCIP_FA_2018_10147_17314.jpg



Slide gates and pipes at outlet structure on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1564
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.856572 °	38.856572 °
				-121.785620 °	-121.785620 °
DWR ID	20362				
Comment Code					
Inspector Comment					
FS_ID:10148 DS_ID:20362 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 3 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves inside the pump house. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013					

LM Start	8.90	Rating **	A/W	Issue No.	1564 (cont)
LM End	8.90	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10148_17320.jpg



Pumphouse on LS.

Photo 2 of 3 : UCIP_FA_2018_10148_17319.jpg



Slide gate actuators on platform at WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1564 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856572 °	38.856572 °	
				-121.785620 °	-121.785620 °	
DWR ID	20362					
Comment Code						
Inspector Comment						
FS_ID:10148 DS_ID:20362 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 3 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves inside the pump house. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013						

Photo 3 of 3 : UCIP_FA_2018_10148_17318.jpg



Pipes at outlet on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1565
LM End	8.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.856608 °	38.856608 °
				-121.785622 °	-121.785622 °
DWR ID	20363				
Comment Code					
Inspector Comment					
FS_ID:10149 DS_ID:20363 EP_NO: 9376 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 4 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)]. FS Date: 3/13/2013					

LM Start	8.90	Rating **	A/W	Issue No.	1565 (cont)
LM End	8.90	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10149_17324.jpg



Pumphouse on LS.

Photo 2 of 3 : UCIP_FA_2018_10149_17323.jpg



Slide gate actuators on platform at WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	8.90	Rating **	A/W	Issue No.	1565 (cont)	
LM End	8.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.856608 °	38.856608 °	
				-121.785622 °	-121.785622 °	
DWR ID	20363					
Comment Code						
Inspector Comment						
FS_ID:10149						
DS_ID:20363						
EP_NO: 9376						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: [El Dorado Bend Pumping Plant] 4 of 4: 50-inch sleeved through existing 54-inch concrete encased steel drainage discharge pipe through the levee, 26.5 feet below the crown. Gate valves on both ends of the pipe. Walkway provided to the control valves. (54-inch pipe [HLM 5.27] authorized under Automatic Board Order (ABO) issued as Permit No. 9376, 1974 - Reclamation District Nos. 2047 and 108; 50-inch pipe sleeved through existing 54-inch pipe and trash rack repairs authorized under maintenance in 2013). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 8.99)].						
FS Date: 3/13/2013						

Photo 3 of 3 : UCIP_FA_2018_10149_17322.jpg



Pipes and slide gates at outlet on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.21	Rating **	M	Issue No.	1566	
LM End	9.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.860993 °	38.860993 °	
				-121.784840 °	-121.784840 °	
DWR ID	20231					
Comment Code						
Inspector Comment						
FS_ID:50039 DS_ID:20231 EP_NO: 1641 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/23/2016 - pipe is not actively used. No power to pump platform. vegetation growth obscuring view along pipe alignment on the WS toe (T.Hatch/UCIP) 09/01/2016 pipe is visible on the WS slope of the levee. The pipe appears intact on the WS and does not appear to have a meter. The siphon breaker on the LS slope appears to have been removed and replaced by a cap. No holes or missing connections were visible. WS levee slope appears to have a slight depression in the vicinity of the exposed pipe. (T. Hatch/UCIP) 03/13/2013 - Meter removed from the pipe on the WS and pipe is open. Pipe appears abandoned, and, if so, should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel irrigation pipe through the levee, 5.2 feet below the crown. Slant pump on a concrete pump platform on the waterside (WS). Siphon breaker on the landside (LS) slope. Sparling flow meter on the pipe on the WS slope. 42-inch concrete standpipe in a concrete distribution box at the landside (LS) toe. (Permit No. 1641, 1952 - William Erdman Jr.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.31)]. FS Date: 9/23/2016						

LM Start	9.21	Rating **	M	Issue No.	1566 (cont)
LM End	9.21	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_50039_17328.jpg



Concrete riser on LS toe.

Photo 2 of 3 : UCIP_FA_2018_50039_17327.jpg



Pump platform on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.21	Rating **	M	Issue No.	1566 (cont)	
LM End	9.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.860993 °	38.860993 °	
				-121.784840 °	-121.784840 °	
DWR ID	20231					
Comment Code						
Inspector Comment						
FS_ID:50039 DS_ID:20231 EP_NO: 1641 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/23/2016 - pipe is not actively used. No power to pump platform. vegetation growth obscuring view along pipe alignment on the WS toe (T.Hatch/UCIP) 09/01/2016 pipe is visible on the WS slope of the levee. The pipe appears intact on the WS and does not appear to have a meter. The siphon breaker on the LS slope appears to have been removed and replaced by a cap. No holes or missing connections were visible. WS levee slope appears to have a slight depression in the vicinity of the exposed pipe. (T. Hatch/UCIP) 03/13/2013 - Meter removed from the pipe on the WS and pipe is open. Pipe appears abandoned, and, if so, should be abandoned properly. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel irrigation pipe through the levee, 5.2 feet below the crown. Slant pump on a concrete pump platform on the waterside (WS). Siphon breaker on the landside (LS) slope. Sparling flow meter on the pipe on the WS slope. 42-inch concrete standpipe in a concrete distribution box at the landside (LS) toe. (Permit No. 1641, 1952 - William Erdman Jr.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.31)]. FS Date: 9/23/2016						

Photo 3 of 3 : UCIP_FA_2018_50039_17326.jpg



Pipe open where watermeter was removed.

LM Start	9.62	Rating **	C	Issue No.	226
LM End	9.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.862422 °	38.862422 °
				-121.790305 °	-121.790305 °
DWR ID	DWR_NA0016_01_s_2017_226				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrow on landside levee slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.68	Rating **	A/W	Issue No.	29
LM End	9.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.862345 °	38.862848 °
				-121.791337 °	-121.793267 °
DWR ID	DWR_NA0016_01_s_2012_29				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA_2018_NA0016_435_29_20180904_00007.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start	9.68	Rating **	A/W	Issue No.	29 (cont)
LM End	9.79	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2018_NA0016_435_29_20180904_00008.jpg



Revegetation site sign. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.75	Rating **	A/W	Issue No.	1567	
LM End	9.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.862615 °	38.862615 °	
				-121.792582 °	-121.792582 °	
DWR ID	20232					
Comment Code						
Inspector Comment						
FS_ID:10164						
DS_ID:20232						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gates on walkway at waterside (WS) shoulder. Staff gauge to 47.0 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 3/13/2013						

LM Start	9.75	Rating **	A/W	Issue No.	1567 (cont)
LM End	9.75	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10164_17345.jpg



Slide gates at concrete headwall at river

Photo 2 of 3 : UCIP_FA_2018_10164_17344.jpg



Pipes at entrance to pumping plant building on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.75	Rating **	A/W	Issue No.	1567 (cont)	
LM End	9.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.862615 °	38.862615 °	
				-121.792582 °	-121.792582 °	
DWR ID	20232					
Comment Code						
Inspector Comment						
FS_ID:10164						
DS_ID:20232						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gates on walkway at waterside (WS) shoulder. Staff gauge to 47.0 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)].						
FS Date: 3/13/2013						

Photo 3 of 3 : UCIP_FA_2018_10164_17343.jpg



Slide gate actuators on WS shoulder.

LM Start	9.76	Rating **	A/W	Issue No.	1568	
LM End	9.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.862624 °	38.862624 °	
				-121.792626 °	-121.792626 °	
DWR ID	20364					
Comment Code						
Inspector Comment						
FS_ID:10165 DS_ID:20364 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013						

Photo 1 of 3 : UCIP_FA_2018_10165_17348.jpg



Slide gates and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1568 (cont)
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862624 °	38.862624 °
				-121.792626 °	-121.792626 °
DWR ID	20364				
Comment Code					
Inspector Comment					
FS_ID:10165 DS_ID:20364 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

LM Start	9.76	Rating **	A/W	Issue No.	1568 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10165_17347.jpg



Pipes at inlet to pumphouse on LS toe.

Photo 3 of 3 : UCIP_FA_2018_10165_17346.jpg



Pumphouse on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1569
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862633 °	38.862633 °
				-121.792669 °	-121.792669 °
DWR ID	20365				
Comment Code					
Inspector Comment					
FS_ID:10168 DS_ID:20365 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 3 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

LM Start	9.76	Rating **	A/W	Issue No.	1569 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10168_17360.jpg



Slide gate and concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2018_10168_17359.jpg



Pipe at inlet to pumphouse on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1569 (cont)
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862633 °	38.862633 °
				-121.792669 °	-121.792669 °
DWR ID	20365				
Comment Code					
Inspector Comment					
FS_ID:10168 DS_ID:20365 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 3 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

Photo 3 of 3 : UCIP_FA_2018_10168_17358.jpg



Pumphouse on LS.

LM Start	9.76	Rating **	A/W	Issue No.	1570
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862642 °	38.862642 °
				-121.792713 °	-121.792713 °
DWR ID	20366				
Comment Code					
Inspector Comment					
FS_ID:10167 DS_ID:20366 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 4 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

Photo 1 of 3 : UCIP_FA_2018_10167_17352.jpg



Slide gates and headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1570 (cont)
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862642 °	38.862642 °
				-121.792713 °	-121.792713 °
DWR ID	20366				
Comment Code					
Inspector Comment					
FS_ID:10167 DS_ID:20366 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 4 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

LM Start	9.76	Rating **	A/W	Issue No.	1570 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10167_17351.jpg



Pipes at inlet to pumping plant on LS toe.

Photo 3 of 3 : UCIP_FA_2018_10167_17350.jpg



Pumping plant on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1571
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862650 °	38.862650 °
				-121.792754 °	-121.792754 °
DWR ID	20367				
Comment Code					
Inspector Comment					
FS_ID:10169 DS_ID:20367 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 5 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

LM Start	9.76	Rating **	A/W	Issue No.	1571 (cont)
LM End	9.76	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10169_17364.jpg



Slide gates and concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2018_10169_17363.jpg



pipes at entrance to pump house on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	9.76	Rating **	A/W	Issue No.	1571 (cont)
LM End	9.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.862650 °	38.862650 °
				-121.792754 °	-121.792754 °
DWR ID	20367				
Comment Code					
Inspector Comment					
FS_ID:10169 DS_ID:20367 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 5 of 5: 60-inch reinforced concrete drainage culvert through the levee, 35 feet below the crown. Screw gate actuators on metal platform on the waterside (WS) shoulder. Large pumping plant building on the landside (LS) shoulder. Staff gauge to 47 feet on structure. [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 9.87)]. FS Date: 3/13/2013					

Photo 3 of 3 : UCIP_FA_2018_10169_17362.jpg



Pumphouse on LS.

LM Start	10.66	Rating **	M	Issue No.	106
LM End	10.80	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.866474 °	38.868426 °
				-121.803711 °	-121.803732 °
DWR ID	DWR_NA0016_01_f_2018_106				
Comment Code					
CR : Crops					
Inspector Comment					
Walnut orchard on the waterside berm.					

Photo 1 of 1 : FA_2018_NA0016_435_106_20181011_00228.jpg



View of walnut orchard on the waterside berm. Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	10.67	Rating **	M	Issue No.	116
LM End	10.67	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.866577 °	38.866577 °
				-121.803674 °	-121.803674 °
DWR ID	DWR_NA0016_01_s_2018_116				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings at landside toe.					

No Photos

LM Start	11.50	Rating **	M	Issue No.	84
LM End	11.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.874854 °	38.875109 °
				-121.813018 °	-121.813592 °
DWR ID	DWR_NA0016_01_f_2018_84				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 101.3 R					
Status: Eroding					
2017 Field Notes: No observed change..					
Site History: 1997 - Toe damage and loss of cobble revetment and small patch of local damage to the cobble revetment. 2000 - Cohesive vertical toe; revegetation site.					

Photo 1 of 1 : FA_2018_NA0016_435_84_20181023_00019.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	11.65	Rating **	M	Issue No.	966
LM End	11.76	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.876088 °	38.877491 °
				-121.815459 °	-121.816356 °
DWR ID	DWR_NA0016_01_s_2012_966				
Comment Code					
CR : Crops					
Inspector Comment					
New walnut orchard between toe and river with approximately 80-90 trees.					

Photo 1 of 1 : FA_2018_NA0016_435_966_20180904_00056.jpg



View of the walnut orchard planted on the waterward side of the levee looking upstream. Fall 2015.

LM Start	12.82	Rating **	M	Issue No.	230
LM End	13.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.890985 °	38.903612 °
				-121.811742 °	-121.805881 °
DWR ID	DWR_NA0016_01_s_2017_230				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined ditch along landside levee toe.					

No Photos

LM Start	14.77	Rating **	A/W	Issue No.	107
LM End	14.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.912188 °	38.912188 °
				-121.816825 °	-121.816825 °
DWR ID	DWR_NA0016_01_f_2018_107				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Less than 5 holes on the landside slope. LMA has a bait station. Recommend monitoring.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	16.22	Rating **	M	Issue No.	1572	
LM End	16.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.923407 °	38.923407 °	
				-121.834588 °	-121.834588 °	
DWR ID	20432					
Comment Code						
Inspector Comment						
FS_ID:10203						
DS_ID:20432						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to determine if this is a permitted crossing as it was not previously noted. Need to determine size and depth below the crown.						
FIELD_STRUCT_DESC: Gas line of an unknown material and diameter through the levee, at an unknown depth. Marker on waterside (WS) shoulder.						
FS Date: 3/13/2013						

Photo 1 of 2 : UCIP_FA_2018_10203_17399.jpg



Gasline marker on WS shoulder.

LM Start	16.22	Rating **	M	Issue No.	1572 (cont)
LM End	16.22	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2018_10203_17398.jpg



Gasline marker on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	17.38	Rating **	M	Issue No.	109
LM End	17.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.937222 °	38.937222 °	
			-121.831590 °	-121.831590 °	
DWR ID	DWR_NA0016_01_f_2018_109				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	17.64	Rating **	C	Issue No.	233
LM End	17.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.940171 °	38.940171 °	
			-121.832771 °	-121.832771 °	
DWR ID	DWR_NA0016_01_s_2017_233				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent burrows on landside levee slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	17.94	Rating **	M	Issue No.	1573
LM End	17.94	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.942979 °	38.942979 °
				-121.837030 °	-121.837030 °
DWR ID	22957				
Comment Code					
Inspector Comment					
FS_ID:11323					
DS_ID:22957					
EP_NO: 18026					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Conduit needs to be located and signs installed where it crosses the levee crown.					
FIELD_STRUCT_DESC: Electrical conduit of an unknown material and diameter through the levee, at an unknown depth. Signage on the landside (LS) shoulder. (Permit No. 18026, 2006 - Reclamation District No. 108).					
FS Date: 3/13/2013					

Photo 1 of 1 : UCIP_FA_2018_11323_18720.jpg



Sign on LS shoulder.

LM Start	18.20	Rating **	M	Issue No.	15
LM End	18.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.946674 °	38.950263 °
				-121.837528 °	-121.837768 °
DWR ID	DWR_NA0016_01_s_2012_15				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined ditch runs along the toe of the levee.					

Photo 1 of 1 : FA_2018_NA0016_435_15_20180904_00003.jpg



View of the ditch on the landward side of the levee looking upstream.
Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	18.54	Rating **	M	Issue No.	16
LM End	18.54	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.951400 °	38.951400 °
				-121.838255 °	-121.838255 °
DWR ID	DWR_NA0016_01_f_2018_16				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0016_435_16_20180904_00004.jpg



View of the rice mill on the crown of the levee looking upstream. Spring 2016.

LM Start	18.66	Rating **	M	Issue No.	173
LM End	18.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.952765 °	38.953219 °
				-121.839661 °	-121.840199 °
DWR ID	DWR_NA0016_01_s_2016_173				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Permit number 16487. Owner needs to maintain/trim vegetation.					

Photo 1 of 2 : FA_2018_NA0016_435_173_20180904_00049.jpg



View of the landscaping on the landward side of the levee looking upstream. Spring 2016.

LM Start	18.66	Rating **	M	Issue No.	173 (cont)
LM End	18.70	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_NA0016_435_173_20180904_00050.jpg



Irrigated landscaping on landside slope of the levee reaching levee crown. Fall 2016 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

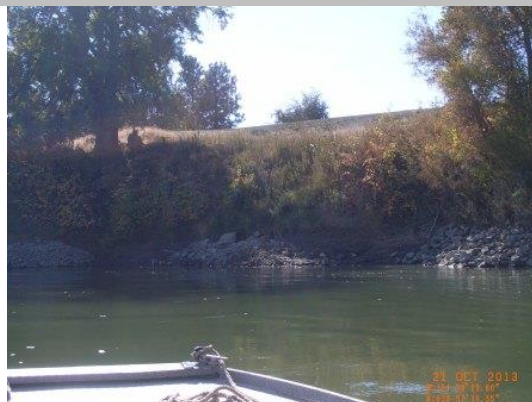
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	18.76	Rating **	A/W	Issue No.	121	
LM End	18.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.954060 °	38.954312 °	
				-121.840560 °	-121.840774 °	
DWR ID	DWR_NA0016_01_f_2017_121					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:9						
Site Designation:DWR_NA0016_01_s_2012_2						
Repair Type: Erosion						
Rating:Serious						
Field Date:8/28/2017						
Notes: near abandoned pump intake						

No Photos

LM Start	18.76	Rating **	A/W	Issue No.	85
LM End	18.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.954060 °	38.954312 °
				-121.840560 °	-121.840774 °
DWR ID	DWR_NA0016_01_f_2018_85				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 111.0 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2009 - Minor erosion, should be repaired under maintenance. 2011 - Some new minor erosion at the toe.					

Photo 1 of 1 : FA_2018_NA0016_435_85_20181023_00230.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	18.83	Rating **	M	Issue No.	22
LM End	18.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.954756 °	38.955499 °
				-121.841432 °	-121.841271 °
DWR ID	DWR_NA0016_01_s_2012_22				
Comment Code					
DT : Ditch					
Inspector Comment					
concrete lined					

No Photos

LM Start	19.12	Rating **	M	Issue No.	26
LM End	19.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.957180 °	38.957180 °
				-121.837442 °	-121.837442 °
DWR ID	DWR_NA0016_01_s_2012_26				
Comment Code					
EQ : Equipment					
Inspector Comment					
Beehives and tank on landside slope.					

Photo 1 of 2 : FA_2018_NA0016_435_26_20180904_00005.jpg



Updated view of equipment and beehives. Fall 2017.

LM Start	19.12	Rating **	M	Issue No.	26 (cont)
LM End	19.12	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_NA0016_435_26_20180904_00006.jpg

View of the equipment on the crown of the levee looking upstream.
Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	19.15	Rating **	M	Issue No.	31
LM End	19.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.957405 °	38.962648 °
				-121.836965 °	-121.834368 °
DWR ID	DWR_NA0016_01_s_2012_31				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined ditch up to LM 19.40. Soil ditch continues on until LM 19.61.					

Photo 1 of 2 : FA_2018_NA0016_435_31_20180904_00011.jpg



View of the ditch on the landward side of the levee looking upstream. Spring 2016.

LM Start	19.15	Rating **	M	Issue No.	31 (cont)
LM End	19.61	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_NA0016_435_31_20180904_00012.jpg



Concrete lined ditch stops at levee mile 19.40.

LM Start	19.37	Rating **	M	Issue No.	96
LM End	19.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.959642°	38.959642°
				-121.834004°	-121.834004°
DWR ID	DWR_NA0016_01_s_2015_96				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0016_435_96_20180904_00022.jpg



View of the building on the waterward side of the levee looking upstream. Spring 2015.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	19.50	Rating **	M	Issue No.	1574	
LM End	19.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.961221 °		38.961221 °
				-121.833230 °		-121.833230 °
DWR ID	20246					
Comment Code						
Inspector Comment						
FS_ID:10253						
DS_ID:20246						
EP_NO: 1507						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned. Needs to be abandoned properly.						
FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 8.4 feet below the crown. Gate valve on the waterside (WS). Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) slope. Concrete distribution box inside an irrigation ditch on the LS toe. (Permit No. 1507, 1950 - Morgan Miller Jr.). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 19.74)].						
FS Date: 3/13/2013						

LM Start	19.50	Rating **	M	Issue No.	1574 (cont)
LM End	19.50	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_10253_17449.jpg



CMP Riser on shoulder and concrete distribution box under heavy blackberry cover at LS toe.

Photo 2 of 2 : UCIP_FA_2018_10253_17448.jpg



Concrete distribution box under heavy blackberry cover at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	20.92	Rating **	M	Issue No.	32
LM End	22.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.974864 °	38.989476 °
				-121.822286 °	-121.816760 °
DWR ID	DWR_NA0016_01_s_2012_32				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	22.12	Rating **	A/W	Issue No.	30
LM End	22.42	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989528 °	38.989722 °
				-121.816020 °	-121.810488 °
DWR ID	DWR_NA0016_01_f_2018_30				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA_2018_NA0016_435_30_20180904_00009.jpg



Revegetation site. Photo taken spring 2012.

LM Start	22.12	Rating **	A/W	Issue No.	30 (cont)
LM End	22.42	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : FA_2018_NA0016_435_30_20180904_00010.jpg



View of the revegetation on the waterward berm of the levee looking upstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	22.71	Rating **	M	Issue No.	1575	
LM End	22.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.989862 °	38.989862 °	
				-121.805243 °	-121.805243 °	
DWR ID	20248					
Comment Code						
Inspector Comment						
FS_ID:10266						
DS_ID:20248						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe needs to be verified as having been properly abandoned.						
FIELD_STRUCT_DESC: 24-inch irrigation pipe of an unknown material through the levee, 19.5 feet below the crown. Abandoned concrete pump house on the waterside (WS) toe. [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 22.99)].						
FS Date: 3/14/2013						

LM Start	22.71	Rating **	M	Issue No.	1575 (cont)
LM End	22.71	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_10266_17490.jpg



Concrete pumphouse on WS berm.

Photo 2 of 2 : UCIP_FA_2018_10266_17489.jpg



Concrete box on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	23.55	Rating **	A/W	Issue No.	86
LM End	23.65	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.997696 °	38.998336 °
				-121.797584 °	-121.799298 °
DWR ID	DWR_NA0016_01_f_2018_86				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 115.9 R Status: Eroding 2017 Field Notes: No observed change. Site History: 2008 - Slippage of cobbles off hard underlying toe material. 2011 - Minor slumping site. 2012 - Failing cobble site, site extended upstream. 2016 - New erosion pockets. DWR Inspector Comment: Cobble shelf within the water. There is a large section of berm. Does not appear to be actively eroding. Recommend monitoring.					

Photo 1 of 1 : FA_2018_NA0016_435_86_20181023_00231.jpg



USACE 2013 Photo #1

LM Start	23.70	Rating **	M	Issue No.	1576
LM End	23.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998247 °	38.998247 °
				-121.800236 °	-121.800236 °
DWR ID	20249				
Comment Code					
Inspector Comment					
FS_ID:10261 DS_ID:20249 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Pipe should be properly abandoned. FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal irrigation pipe through the levee, 20 feet below the crown. One corrugated metal cutoff wall installed by the United States Army Corp of Engineers, 1955. Slide gate inside a 36-inch corrugated metal riser unit on the waterside (WS) slope. Pump on the WS bank. Concrete standpipe on the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 24.03)]. FS Date: 3/14/2013					

Photo 1 of 3 : UCIP_FA_2018_10261_17466.jpg



36-inch cmp riser on WS slope with slide gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	23.70	Rating **	M	Issue No.	1576 (cont)	
LM End	23.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.998247 °	38.998247 °	
				-121.800236 °	-121.800236 °	
DWR ID	20249					
Comment Code						
Inspector Comment						
FS_ID:10261 DS_ID:20249 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Pipe should be properly abandoned. FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal irrigation pipe through the levee, 20 feet below the crown. One corrugated metal cutoff wall installed by the United States Army Corp of Engineers, 1955. Slide gate inside a 36-inch corrugated metal riser unit on the waterside (WS) slope. Pump on the WS bank. Concrete standpipe on the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 130, May 1960 (HLM 24.03)]. FS Date: 3/14/2013						

LM Start	23.70	Rating **	M	Issue No.	1576 (cont)
LM End	23.70	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_10261_17465.jpg



Concrete distribution riser on LS toe.

Photo 3 of 3 : UCIP_FA_2018_10261_17464.jpg



abandoned pump platform on Rivers edge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	24.73	Rating **	M	Issue No.	1577	
LM End	24.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.005097 °	39.005097 °	
				-121.816116 °	-121.816116 °	
DWR ID	20251					
Comment Code						
Inspector Comment						
FS_ID:10265						
DS_ID:20251						
EP_NO: 9328						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned. Needs to be abandoned properly.						
FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation pipe through the levee, 20 feet below the crown. Slide gate inside a 36-inch corrugated metal riser unit on the waterside (WS) slope. 7-foot by 9-foot distribution box at the toe of the landside (LS) slope. (Automatic Board Order (ABO) issued as Permit No. 9328, 1974 - Wayne A. Hine).						
[Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 130, May 1960 (HLM 25.02)].						
FS Date: 3/14/2013						

LM Start	24.73	Rating **	M	Issue No.	1577 (cont)
LM End	24.73	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_10265_17486.jpg



Slide gate in 36-inch CMP riser on WS slope.

Photo 2 of 2 : UCIP_FA_2018_10265_17485.jpg



7-foot by 9-foot distribution box at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	25.75	Rating **	A/W	Issue No.	88
LM End	25.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.014499 °	39.016401 °
				-121.825880 °	-121.824230 °
DWR ID	DWR_NA0016_01_f_2018_88				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 118.0 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Whole bank is eroding, nearly vertical slope with cohesive toe. Bed is very deep along the toe (greater than 30 ft deep at 20 ft from the shore). 2011 - Some new minor erosion. 2016 - Minor new erosion.					

Photo 1 of 1 : FA_2018_NA0016_435_88_20181023_00232.jpg



USACE 2013 Photo #1

LM Start	26.46	Rating **	M	Issue No.	1578
LM End	26.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.023842 °	39.023842 °
				-121.823077 °	-121.823077 °
DWR ID	20253				
Comment Code					
Inspector Comment					
FS_ID:10285 DS_ID:20253 EP_NO: 9136 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch coated steel drainage pipe through the levee, 3 feet below the crown. Steel cutoff wall at the centerline. Air release valve on the waterside (WS) shoulder. Slide gate inside a 72-inch diameter corrugated metal riser unit on the landside (LS) toe. (Permit No. 9136, 1973 - Durst Brothers). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/14/2013					

Photo 1 of 3 : UCIP_FA_2018_10285_17532.jpg



72-inch CMP riser on LS toe under JP next to tree.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	26.46	Rating **	M	Issue No.	1578 (cont)
LM End	26.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.023842 °	39.023842 °
				-121.823077 °	-121.823077 °
DWR ID	20253				
Comment Code					
Inspector Comment					
FS_ID:10285 DS_ID:20253 EP_NO: 9136 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to be abandoned. Pipe needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch coated steel drainage pipe through the levee, 3 feet below the crown. Steel cutoff wall at the centerline. Air release valve on the waterside (WS) shoulder. Slide gate inside a 72-inch diameter corrugated metal riser unit on the landside (LS) toe. (Permit No. 9136, 1973 - Durst Brothers). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/14/2013					

LM Start	26.46	Rating **	M	Issue No.	1578 (cont)
LM End	26.46	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_10285_17531.jpg



Air release valve on WS shoulder.

Photo 3 of 3 : UCIP_FA_2018_10285_17534.jpg



Pipe at Rivers edge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	27.46	Rating **	M	Issue No.	1579	
LM End	27.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.033767 °	39.033767 °	
				-121.833110 °	-121.833110 °	
DWR ID	20256					
Comment Code						
Inspector Comment						
FS_ID:10289 DS_ID:20256 EP_NO: 9368 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to abandon pipe properly. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 16.2 feet below the crown. Pump on the waterside (WS) bank. Gate valve on the landside (LS) end. Concrete box at the LS toe of the slope. Irrigation well 6 feet from the toe of the landward slope. (Automatic Board Order (ABO) issued as Permit No. 9368, 1974 - Fredinand Erdman). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.79) (standpipe on the WS)]. FS Date: 3/14/2013						

LM Start	27.46	Rating **	M	Issue No.	1579 (cont)
LM End	27.46	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_10289_17543.jpg



gate valve off landside toe.

Photo 2 of 2 : UCIP_FA_2018_10289_17542.jpg



steel standpipe on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	27.46	Rating **	M	Issue No.	1580
LM End	27.46	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.033814 °	39.033814 °	
			-121.833158 °	-121.833158 °	

DWR ID	20416
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Comment Code	
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Inspector Comment	
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FS_ID:10290
DS_ID:20416
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found

UCIP Comments: Appears this pipe is abandoned and visible on WS slope in pieces. Need to verify proper abandonment.
 FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe of an unknown type and material through the levee, 6.2 feet below the crown. Pipe debris on the waterside (WS) slope. [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 27.79)].
 FS Date: 3/14/2013

LM Start	27.46	Rating **	M	Issue No.	1580 (cont)
LM End	27.46	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_10290_17545.jpg



Pipe debris on WS slope.

Photo 2 of 2 : UCIP_FA_2018_10290_17544.jpg



Pipe debris on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	27.54	Rating **	M	Issue No.	1581
LM End	27.54	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.034870 °	39.034870 °
				-121.833501 °	-121.833501 °
DWR ID	20257				
Comment Code					
Inspector Comment					
FS_ID:10291 DS_ID:20257 EP_NO: 9355 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe needs to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Gate valve on the landside (LS) end. (24-inch pipe [HLM 27.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9355, 1974 - Alvin Gustafson). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.89)]. FS Date: 3/14/2013					

LM Start	27.54	Rating **	M	Issue No.	1581 (cont)
LM End	27.54	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10291_17548.jpg



Gate valve buried on LS toe.

Photo 2 of 3 : UCIP_FA_2018_10291_17547.jpg



Gate valve buried on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	27.54	Rating **	M	Issue No.	1581 (cont)	
LM End	27.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.034870 °		39.034870 °
				-121.833501 °		-121.833501 °
DWR ID	20257					
Comment Code						
Inspector Comment						
FS_ID:10291 DS_ID:20257 EP_NO: 9355 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe needs to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel drainage pipe through the levee, 14 feet below the crown. Slide gate on the waterside (WS) end. Gate valve on the landside (LS) end. (24-inch pipe [HLM 27.89] authorized under Automatic Board Order (ABO) issued as Permit No. 9355, 1974 - Alvin Gustafson). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 27.89)]. FS Date: 3/14/2013						

Photo 3 of 3 : UCIP_FA_2018_10291_17546.jpg



Excavation at WS toe where pipe should be.

LM Start	28.02	Rating **	M	Issue No.	59
LM End	28.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.040750 °	39.040750 °
				-121.835299 °	-121.835299 °
DWR ID	DWR_NA0016_01_s_2012_59				
Comment Code					
DE : Debris					
Inspector Comment					
piles of concrete					

Photo 1 of 1 : FA_2018_NA0016_435_59_20180904_00018.jpg



View of the pile of concrete on the waterward berm of the levee. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.05	Rating **	C	Issue No.	114
LM End	28.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.041008 °	39.041008 °
				-121.835739 °	-121.835739 °
DWR ID	DWR_NA0016_01_s_2018_114				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple small rodent holes through landside slope and on crown. Recommend monitoring.					

No Photos

LM Start	28.61	Rating **	M	Issue No.	1582	
LM End	28.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.047758 °	39.047758 °	
				-121.840914 °	-121.840914 °	
DWR ID	20319					
Comment Code						
Inspector Comment						
FS_ID:49833 DS_ID:20319 EP_NO: 16632 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 09/01/2016 - No markers on levee. no condition in permit for markers. Pipe is well underneath the levee prism with minimum clearance under the river of 35 feet per permit drawings. (T. Hatch/UCIP) 03/15/2013 No gasline markers on either side of levee. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 4-inch welded steel natural gas pipeline through the levee, 62 feet below the crown. Crosses under both levees and the Sacramento River channel with a minimum clearance of 35 feet. Gas well visible approximately 1,500 feet west of the levee on the landside (LS). (Permit No. 16632, 1997 - Slawson Exploration Company, Inc./AA Production Services, Inc.). FS Date: 9/1/2016						

Photo 1 of 1 : UCIP_FA_2018_49833_17563.jpg



gas well 1500-feet west of this location.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.64	Rating **	A/W	Issue No.	1583
LM End	28.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.048281 °	39.048281 °
				-121.841084 °	-121.841084 °
DWR ID	20341				
Comment Code					
Inspector Comment					
FS_ID:10306					
DS_ID:20341					
EP_NO: 9358					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 8.5 feet below the crown. Siphon breaker inside a 24-inch corrugated metal riser unit on the waterside (WS) slope. Pump inside pump house on the landside (LS). Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)].					
FS Date: 3/15/2013					

LM Start	28.64	Rating **	A/W	Issue No.	1583 (cont)
LM End	28.64	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10306_17566.jpg



Gate valve under pumphouse on LS toe.

Photo 2 of 3 : UCIP_FA_2018_10306_17565.jpg



Pumphouse and sump on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.64	Rating **	A/W	Issue No.	1583 (cont)	
LM End	28.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.048281 °	39.048281 °	
				-121.841084 °	-121.841084 °	
DWR ID	20341					
Comment Code						
Inspector Comment						
FS_ID:10306						
DS_ID:20341						
EP_NO: 9358						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 8.5 feet below the crown. Siphon breaker inside a 24-inch corrugated metal riser unit on the waterside (WS) slope. Pump inside pump house on the landside (LS). Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)].						
FS Date: 3/15/2013						

Photo 3 of 3 : UCIP_FA_2018_10306_17564.jpg



siphon breakers in CMP risers on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.65	Rating **	A/W	Issue No.	1584
LM End	28.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.048295 °	39.048295 °
				-121.841088 °	-121.841088 °
DWR ID	20259				
Comment Code					
Inspector Comment					
FS_ID:10307 DS_ID:20259 EP_NO: 9358 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 8 feet below the crown. Siphon breaker in a 24-inch corrugated metal riser on the waterside (WS) slope. Slide gate at base of pump house on landside (LS) toe. Pump over sump at pump house on LS toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)]. FS Date: 3/15/2013					

LM Start	28.65	Rating **	A/W	Issue No.	1584 (cont)
LM End	28.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_10307_17569.jpg



Pumphouse over sump on LS toe.

Photo 2 of 3 : UCIP_FA_2018_10307_17568.jpg



Slide gate in concrete vault under pumphouse at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.65	Rating **	A/W	Issue No.	1584 (cont)	
LM End	28.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.048295 °	39.048295 °	
				-121.841088 °	-121.841088 °	
DWR ID	20259					
Comment Code						
Inspector Comment						
FS_ID:10307						
DS_ID:20259						
EP_NO: 9358						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 10-inch steel drainage pipe through the levee, 8 feet below the crown. Siphon breaker in a 24-inch corrugated metal riser on the waterside (WS) slope. Slide gate at base of pump house on landside (LS) toe. Pump over sump at pump house on LS toe. Overhead power line crosses the levee. Pole on the LS shoulder. (one 12-inch, one 16-inch, and one 24-inch pipes [HLM 29.02] authorized under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 29.02)].						
FS Date: 3/15/2013						

Photo 3 of 3 : UCIP_FA_2018_10307_17567.jpg



Siphon breaker in 24-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.78	Rating **	U	Issue No.	1585	
LM End	28.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.050186 °	39.050186 °	
				-121.841553 °	-121.841553 °	
DWR ID	20311					
Comment Code						
Inspector Comment						
FS_ID:53019 DS_ID:20311 EP_NO: 12609 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/16/2018 Water level is low enough to see that flap gate on WS end is missing. In addition, pipe has corroded through around flap gate frame. Unable to locate pipe inlet on LS. Crossing must be abandoned properly. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - pipe outlet still submerged, but visible enough to determine that flap gate is still missing. Appurtenances on the LS of the levee do not appear to be associated with this pipe. There is no visible location for collection of drainage water to go through the outfall. As a result, it does not appear that this pipe is in use. (T. Hatch/UCIP) 09/01/201 - pipe outlet was submerged at time of inspection. Unable to view if flap gate had been replaced. Otherwise, conditions do not appear to be significantly different from previous inspection. (T. Hatch/UCIP) 03/15/201- Flap gate missing from waterward end of pipe. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 24-inch steel outfall drainage pipe through the levee, 4.1 feet below the crown. Siphon breaker inside an 18-inch concrete riser unit on the waterside (WS) shoulder. Flap gate on the WS toe. Rock protection along the riverbank at the WS toe. (Permit No. 12609, 1978 - Jack E. Gross). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 10/16/2018 7:37:46 AM						

Photo 1 of 3 : UCIP_FA_2018_53019_17587.jpg



18-inch concrete riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.78	Rating **	U	Issue No.	1585 (cont)	
LM End	28.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.050186 °	39.050186 °	
				-121.841553 °	-121.841553 °	
DWR ID	20311					
Comment Code						
Inspector Comment						
FS_ID:53019 DS_ID:20311 EP_NO: 12609 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/16/2018 Water level is low enough to see that flap gate on WS end is missing. In addition, pipe has corroded through around flap gate frame. Unable to locate pipe inlet on LS. Crossing must be abandoned properly. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - pipe outlet still submerged, but visible enough to determine that flap gate is still missing. Appurtenances on the LS of the levee do not appear to be associated with this pipe. There is no visible location for collection of drainage water to go through the outfall. As a result, it does not appear that this pipe is in use. (T. Hatch/UCIP) 09/01/201 - pipe outlet was submerged at time of inspection. Unable to view if flap gate had been replaced. Otherwise, conditions do not appear to be significantly different from previous inspection. (T. Hatch/UCIP) 03/15/201- Flap gate missing from waterward end of pipe. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 24-inch steel outfall drainage pipe through the levee, 4.1 feet below the crown. Siphon breaker inside an 18-inch concrete riser unit on the waterside (WS) shoulder. Flap gate on the WS toe. Rock protection along the riverbank at the WS toe. (Permit No. 12609, 1978 - Jack E. Gross). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 10/16/2018 7:37:46 AM						

Photo 2 of 3 : UCIP_FA_2018_53019_78168.jpg



View of levee crown at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	28.78	Rating **	U	Issue No.	1585 (cont)	
LM End	28.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.050186 °	39.050186 °	
				-121.841553 °	-121.841553 °	
DWR ID	20311					
Comment Code						
Inspector Comment						
FS_ID:53019 DS_ID:20311 EP_NO: 12609 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/16/2018 Water level is low enough to see that flap gate on WS end is missing. In addition, pipe has corroded through around flap gate frame. Unable to locate pipe inlet on LS. Crossing must be abandoned properly. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - pipe outlet still submerged, but visible enough to determine that flap gate is still missing. Appurtenances on the LS of the levee do not appear to be associated with this pipe. There is no visible location for collection of drainage water to go through the outfall. As a result, it does not appear that this pipe is in use. (T. Hatch/UCIP) 09/01/201 - pipe outlet was submerged at time of inspection. Unable to view if flap gate had been replaced. Otherwise, conditions do not appear to be significantly different from previous inspection. (T. Hatch/UCIP) 03/15/201- Flap gate missing from waterward end of pipe. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 24-inch steel outfall drainage pipe through the levee, 4.1 feet below the crown. Siphon breaker inside an 18-inch concrete riser unit on the waterside (WS) shoulder. Flap gate on the WS toe. Rock protection along the riverbank at the WS toe. (Permit No. 12609, 1978 - Jack E. Gross). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 10/16/2018 7:37:46 AM						

Photo 3 of 3 : UCIP_FA_2018_53019_78169.jpg



Pipe is not found on LS. Appurtenances on LS are not associated with this crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	29.69	Rating **	A/W	Issue No.	89
LM End	29.73	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.063209 °	39.063997 °
				-121.838927 °	-121.839335 °
DWR ID	DWR_NA0016_01_f_2018_89				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 122.0 R					
Status: Eroding					
2017 Field Notes: Minor new erosion at toe.					
Site History: 1997 - Mass failure of the lower cohesive bank and toe.					
2000 - Still eroding, steeply dipping foresets in the toe are falling off.					
2010 - Some new erosion and some new deposition. Eddy current off the upstream rock. 2011 - Still plenty of berm left. 2016 - Minor new erosion.					

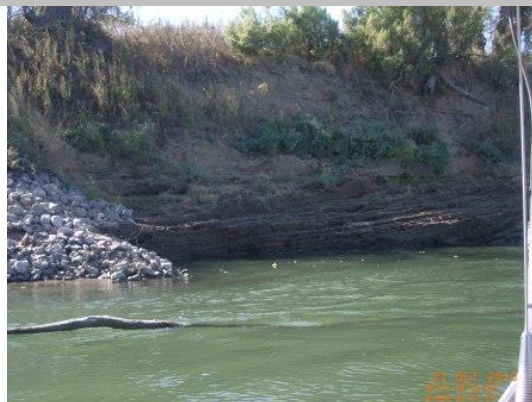
Photo 1 of 1 : FA_2018_NA0016_435_89_20181023_00233.jpg



USACE 2013 Photo #1

LM Start	29.96	Rating **	M	Issue No.	91
LM End	30.12	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.065886 °	39.067386 °
				-121.842950 °	-121.845266 °
DWR ID	DWR_NA0016_01_f_2018_91				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 122.3 R					
Status: Eroding					
2017 Field Notes: Fresh slumping erosion at toe.					
Site History: 2002 - Upstream end has recent slope failure and exposure of tree roots. 2003 - Some new minor slope erosion with new snags on the bank. 2004 - Appears a little worse. 2005 - Scallop in bank at the upstream end looks worse. 2009 - Minimal new erosion, Berm width is still large, but one large event or one fallen tree and it could go fast. 2010 - New erosion, bank is nearly all vertical from slumping. Site looks bad. 2011 - Site continues to look bad. 2012 - Minor new erosion. 2015 - Undermining of toe rock. 2016 - Site extended upstream, new erosion and exposed tree roots.					
DWR Inspector Comment: No erosion within the prism and vegetation appears to be stabilizing the bank. Recommend monitoring.					

Photo 1 of 1 : FA_2018_NA0016_435_91_20181023_00234.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	30.08	Rating **	M	Issue No.	1586	
LM End	30.08	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.066749 °		39.066749 °
				-121.844987 °		-121.844987 °
DWR ID	20317					
Comment Code						
Inspector Comment						
FS_ID:10325 DS_ID:20317 EP_NO: 14495 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe may need flap gate at water side. FIELD_STRUCT_DESC: 22-inch steel drainage pipe through the levee, 3.8 feet below the crown. Pipe extends from existing pump house located at the landside (LS) toe through the levee to the low-water channel. Siphon breaker in 24-inch corrugated metal riser unit on LS shoulder. (22-inch pipe authorized under Permit No. 14495, 1986 - Jack Gross; 22-inch pipe replaced previous 12-inch and 16-inch pipes, installed under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). FS Date: 3/15/2013						

LM Start	30.08	Rating **	M	Issue No.	1586 (cont)
LM End	30.08	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_10325_17591.jpg



24-inch pipe at rivers edge

Photo 2 of 3 : UCIP_FA_2018_10325_17590.jpg



Siphon breaker in 24-inch cmp on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	30.08	Rating **	M	Issue No.	1586 (cont)	
LM End	30.08	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.066749 °	39.066749 °	
				-121.844987 °	-121.844987 °	
DWR ID	20317					
Comment Code						
Inspector Comment						
FS_ID:10325 DS_ID:20317 EP_NO: 14495 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe may need flap gate at water side. FIELD_STRUCT_DESC: 22-inch steel drainage pipe through the levee, 3.8 feet below the crown. Pipe extends from existing pump house located at the landside (LS) toe through the levee to the low-water channel. Siphon breaker in 24-inch corrugated metal riser unit on LS shoulder. (22-inch pipe authorized under Permit No. 14495, 1986 - Jack Gross; 22-inch pipe replaced previous 12-inch and 16-inch pipes, installed under Automatic Board Order (ABO) issued as Permit No. 9358, 1974 - Crocker National Bank (Trustee)). FS Date: 3/15/2013						

Pumphouse at LS toe.

LM Start	31.28	Rating **	M	Issue No.	99
LM End	31.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.066921 °	39.066921 °
				-121.864077 °	-121.864077 °
DWR ID	DWR_NA0016_01_s _ 2015_99				
Comment Code					
EQ : Equipment					
Inspector Comment					
Temporary bee hives.					

A gravel road leads towards a field of large, rectangular concrete blocks. The sky is clear and blue. The foreground shows the white hood of a car.

View of the beehives on the shoulder of the waterward side of the levee looking upstream. Spring 2015.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	31.43	Rating **	A/W	Issue No.	92
LM End	31.45	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.067004 °	39.066901 °
				-121.866913 °	-121.867322 °
DWR ID	DWR_NA0016_01_f_2018_92				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 123.7 R Status: Eroding 2017 Field Notes: No observed change. Site History: 1997 - Erosion into the levee section; old concrete rubble loss at toe; transition between the rock upstream and the cobble downstream. 2000 - Cohesive bench with concrete slabs on top; 25 ft deep scour hole on the downstream end.					
DWR Inspector Comment: Appears to be stable. Plenty of berm and cobble left.					

Photo 1 of 1 : FA_2018_NA0016_435_92_20181023_00235.jpg



USACE 2013 Photo #1

LM Start	31.61	Rating **	M	Issue No.	1587
LM End	31.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.066163 °	39.066163 °
				-121.870198 °	-121.870198 °
DWR ID	20262				
Comment Code					
Inspector Comment					
FS_ID:11543 DS_ID:20262 EP_NO: 9338 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at intake pipe on rivers edge below pump FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 24 feet below the crown. Slide gate in abandoned concrete pump house on the waterside (WS) slope. Three slant pumps mounted on a pile structure on the WS bank. 30-inch concrete pipe under the highway on the landside (LS). 48-inch steel riser unit on the LS of the highway. Overhead high tower power line crosses the levee. Power line has been run underground to service box on WS shoulder at LM 32.01. Ramps on both slopes. (Automatic Board Order (ABO) issued as Permit No. 9338, 1974 - Julie Ann Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.02)]. FS Date: 3/15/2013					

Photo 1 of 3 : UCIP_FA_2018_11543_18942.jpg



Concrete block house with slide gate inside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	31.61	Rating **	M	Issue No.	1587 (cont)	
LM End	31.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.066163°	39.066163°	
				-121.870198°	-121.870198°	
DWR ID	20262					
Comment Code						
Inspector Comment						
FS_ID:11543 DS_ID:20262 EP_NO: 9338 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe leaking at intake pipe on rivers edge below pump FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 24 feet below the crown. Slide gate in abandoned concrete pump house on the waterside (WS) slope. Three slant pumps mounted on a pile structure on the WS bank. 30-inch concrete pipe under the highway on the landside (LS). 48-inch steel riser unit on the LS of the highway. Overhead high tower power line crosses the levee. Power line has been run underground to service box on WS shoulder at LM 32.01. Ramps on both slopes. (Automatic Board Order (ABO) issued as Permit No. 9338, 1974 - Julie Ann Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.02)]. FS Date: 3/15/2013						

LM Start	31.61	Rating **	M	Issue No.	1587 (cont)
LM End	31.61	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_11543_18941.jpg



Siphon breaker on LS toe.

Photo 3 of 3 : UCIP_FA_2018_11543_18940.jpg



Slide gate inside concrete block house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

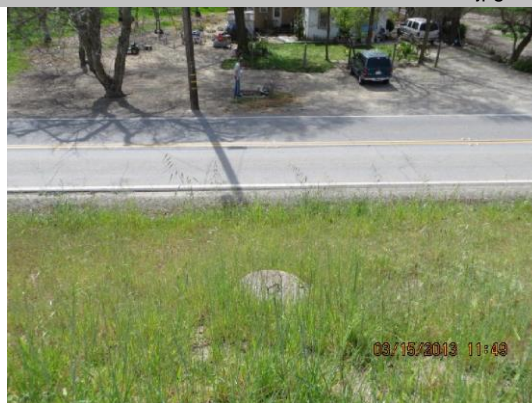
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	32.03	Rating **	M	Issue No.	41
LM End	32.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.069130 °	39.069130 °
				-121.876638 °	-121.876638 °
DWR ID	DWR_NA0016_01_s_2012_41				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	32.27	Rating **	M	Issue No.	1588	
LM End	32.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.069857 °	39.069857 °	
				-121.880923 °	-121.880923 °	
DWR ID	20304					
Comment Code						
Inspector Comment						
FS_ID:10364						
DS_ID:20304						
EP_NO: 9374						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to verify type of abandonment						
FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 4-inch irrigation pipe of an unknown material through the levee, 6.5 feet below the crown. Gate valve on the waterside (WS) end. Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) slope. 4-foot by 4-foot concrete distribution box on the south side of Highway 45 at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.68)].						
FS Date: 3/15/2013						

Photo 1 of 2 : UCIP_FA_2018_10364_17645.jpg



Siphon Breaker in 25-inch CMP riser on LS slope with 4X4 concrete box off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	32.27	Rating **	M	Issue No.	1588 (cont)	
LM End	32.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.069857 °		39.069857 °
				-121.880923 °		-121.880923 °
DWR ID	20304					
Comment Code						
Inspector Comment						
FS_ID:10364 DS_ID:20304 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify type of abandonment FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 4-inch irrigation pipe of an unknown material through the levee, 6.5 feet below the crown. Gate valve on the waterside (WS) end. Siphon breaker inside a 24-inch corrugated metal riser unit on the landside (LS) slope. 4-foot by 4-foot concrete distribution box on the south side of Highway 45 at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 131, May 1960 (HLM 32.68)]. FS Date: 3/15/2013						

Photo 2 of 2 : UCIP_FA_2018_10364_17644.jpg



4X4 concrete box off LS toe.

LM Start	32.68	Rating **	C	Issue No.	115
LM End	32.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.071454 °	39.071454 °
				-121.888351 °	-121.888351 °
DWR ID	DWR_NA0016_01_s_2018_115				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	32.95	Rating **	M	Issue No.	87
LM End	32.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.074125 °	39.074125 °
				-121.891836 °	-121.891836 °
DWR ID	DWR_NA0016_01_f_2016_87				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0016_435_87_20180904_00020.jpg



Firewood within 10 feet of levee toe on landside. Fall 2016 inspection.

LM Start	32.97	Rating **	C	Issue No.	117
LM End	32.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.074245 °	39.074245 °
				-121.891960 °	-121.891960 °
DWR ID	DWR_NA0016_01_s_2018_117				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on the landside slope.					

No Photos

LM Start	32.97	Rating **	M	Issue No.	43
LM End	32.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.074346 °	39.074346 °
				-121.892048 °	-121.892048 °
DWR ID	DWR_NA0016_01_s_2012_43				
Comment Code					
FE : Fence					
Inspector Comment					
Fence blocking access on landside toe.					

Photo 1 of 1 : FA_2018_NA0016_435_43_20180904_00015.jpg



Fence blocking access along landside levee toe. Spring 2017.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	33.03	Rating **	A/W	Issue No.	157
LM End	33.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.075015 °	39.075015 °
				-121.892705 °	-121.892705 °
DWR ID	DWR_NA0016_01_s_2017_157				
Comment Code					
ST : Stairway					
Inspector Comment					
Permit No. 9331.					

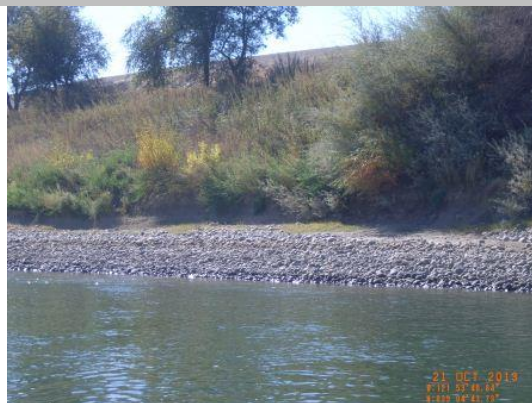
Photo 1 of 1 : FA_2018_NA0016_435_157_20180904_00048.jpg



Permanent metal staircase installed on landside levee slope. Spring 2017.

LM Start	33.29	Rating **	A/W	Issue No.	93
LM End	33.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.078340 °	39.079351 °
				-121.894656 °	-121.895317 °
DWR ID	DWR_NA0016_01_f_2018_93				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 125.6 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2008 - Slow erosion of the hard toe. 2010 - Cobble rubble is failing, erosion is into the toe of the levee, with vertical slumping.					
2012 - Site appears to be relatively stable. 2013 - New animal holes.					

Photo 1 of 1 : FA_2018_NA0016_435_93_20181023_00236.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	34.00	Rating **	M	Issue No.	1589	
LM End	34.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.087072 °	39.087072 °	
				-121.896464 °	-121.896464 °	
DWR ID	20268					
Comment Code						
Inspector Comment						
FS_ID:10403 DS_ID:20268 EP_NO: 9364A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe rusted through at concrete distribution box. May be indicator of pipe condition through levee. FIELD_STRUCT_DESC: 1 of 4: 16-inch steel irrigation pipe through the levee, 6.3 feet below the crown. Pump in pump house on the waterside (WS) end. Siphon breaker in a 36-inch steel riser unit on the landside (LS) slope. Discharges into a 5-foot by 9-foot concrete distribution box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). (Installed by the United States Army Corp of Engineers, 1945). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 34.46)]. FS Date: 3/18/2013						

LM Start	34.00	Rating **	M	Issue No.	1589 (cont)
LM End	34.00	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_10403_17662.jpg



Pump at WS berm.

Photo 2 of 3 : UCIP_FA_2018_10403_17661.jpg



siphon breaker in 36-inch steel riser on LS slope with concrete distribution box on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	34.00	Rating **	M	Issue No.	1589 (cont)	
LM End	34.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.087072°	39.087072°	
				-121.896464°	-121.896464°	
DWR ID	20268					
Comment Code						
Inspector Comment						
FS_ID:10403 DS_ID:20268 EP_NO: 9364A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe rusted through at concrete distribution box. May be indicator of pipe condition through levee. FIELD_STRUCT_DESC: 1 of 4: 16-inch steel irrigation pipe through the levee, 6.3 feet below the crown. Pump in pump house on the waterside (WS) end. Siphon breaker in a 36-inch steel riser unit on the landside (LS) slope. Discharges into a 5-foot by 9-foot concrete distribution box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). (Installed by the United States Army Corp of Engineers, 1945). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 34.46)]. FS Date: 3/18/2013						

Photo 3 of 3 : UCIP_FA_2018_10403_17660.jpg



Pipe at waters edge.

LM Start	34.01	Rating **	M	Issue No.	100
LM End	34.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.087176 °	39.088099 °
				-121.896480 °	-121.896498 °
DWR ID	DWR_NA0016_01_f_2018_100				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0016_435_100_20180904_00024.jpg



View of the ditch at the landward side of the levee looking upstream. Spring 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	34.24	Rating **	A/W	Issue No.	123
LM End	34.56	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.090511 °	39.094967 °
				-121.895675 °	-121.894858 °
DWR ID	DWR_NA0016_01_f_2017_123				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:185					
Site Designation:SRWLD-03					
Repair Type: Seepage					
Rating:Critical					
Field Date:7/14/2017					
Notes: Well water tank 10' from LS toe & wire fence at LS toe					
Currently taking core samples.					

Photo 1 of 3 : LEVAL_FA_2018_185_1625.jpg



LM Start	34.24	Rating **	A/W	Issue No.	123 (cont)
LM End	34.56	Issue Type +	Ob	Location *	

Photo 2 of 3 : LEVAL_FA_2018_185_1627.jpg

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

State of California
DEPARTMENT OF WATER RESOURCES
COMPUTATION SHEET

Project: _____
F Station: _____
Elevation: _____
Date: 03-11-17
Drawn: GA/GB

Designed: _____
Checked: _____

Item: SCALD = 0.3

Handwritten notes and calculations:

- Area of canal = 208 sq ft
- Area of farm field = 1700 sq ft
- Total area = 1908 sq ft
- Side length = 1900'

LM Start	34.65	Rating **	A/W	Issue No.	124
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.095602 °	°
				-121.896102 °	°
DWR ID	DWR_NA0016_01_f_ 2017_124				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:8					
Site Designation:288-54					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes: Currently taking core samples.					

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	34.65	Rating **	A/W	Issue No.	125
LM End	34.72	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.095592 °	39.095589 °
				-121.896103 °	-121.897400 °
DWR ID	DWR_NA0016_01_f_2017_125				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:184					
Site Designation:SRWLD-02					
Repair Type: Seepage					
Rating:Critical					
Field Date:7/14/2017					
Notes: Currently taking core samples.					

LM Start	34.65	Rating **	A/W	Issue No.	125 (cont)
LM End	34.72	Issue Type +	Ob	Location *	

Photo 1 of 3 : LEVAL_FA_2018_184_1613.jpg



Photo 2 of 3 : LEVAL_FA_2018_184_1615.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

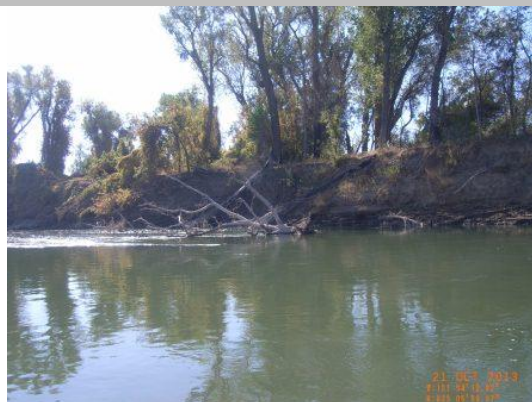
LM Start	34.65	Rating **	A/W	Issue No.	125 (cont)	
LM End	34.72	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			39.095592 °	39.095589 °	
				-121.896103 °	-121.897400 °	
DWR ID	DWR_NA0016_01_f_2017_125					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:184						
Site Designation:SRWLD-02						
Repair Type: Seepage						
Rating:Critical						
Field Date:7/14/2017						
Notes: Currently taking core samples.						

Photo 3 of 3 : LEVAL_FA_2018_184_1622.jpg



LM Start	35.23	Rating **	A/W	Issue No.	94
LM End	35.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.099482 °	39.100836 °
				-121.903430 °	-121.904320 °
DWR ID	DWR_NA0016_01_f_2018_94				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 127.9 R					
Status: Eroding					
2017 Field Notes: fresh erosion at lower slope.					
Site History: 1997 - Major scour off the downstream end of existing rock, creating a scour pocket where the levee starts diverging from the bankline. 2000 - Some minor erosion, 20 ft deep hole at downstream end. 2004 - Small amount of new erosion. 2010 - Bad transition off downstream end of rock revetment, some new erosion. 2012 - Site extended downstream, minor new erosion. 2013- Minor new erosion. 2016 - Fresh erosion at toe.					

Photo 1 of 1 : FA_2018_NA0016_435_94_20181023_00237.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	35.56	Rating **	M	Issue No.	1590
LM End	35.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.103533 °	39.103533 °
				-121.906814 °	-121.906814 °
DWR ID	20273				
Comment Code					
Inspector Comment					
FS_ID:10424 DS_ID:20273 EP_NO: 9364A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify type of abandonment. FIELD_STRUCT_DESC: 3 of 4: 18-inch steel irrigation pipe through the levee, 16 feet below the crown. Metal cutoff wall. Gate valve on the waterside (WS) bank. Siphon breaker in a 24-inch corrugated metal riser unit on the landside (LS) shoulder. (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 36.04)]. FS Date: 3/18/2013					

Photo 1 of 1 : UCIP_FA_2018_10424_17700.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

LM Start	35.56	Rating **	M	Issue No.	1591
LM End	35.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.103533 °	39.103533 °
				-121.906814 °	-121.906814 °
DWR ID	20398				
Comment Code					
Inspector Comment					
FS_ID:10425 DS_ID:20398 EP_NO: 9364 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Remove abandoned pipe from levee. FIELD_STRUCT_DESC: *ABANDONED* 4 of 4: 1.25-inch electrical conduit of an unknown material through the levee, 3 feet below the crown. (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmaier). FS Date: 3/18/2013					

Photo 1 of 2 : UCIP_FA_2018_10425_17702.jpg



Electrical conduit on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	35.56	Rating **	M	Issue No.	1591 (cont)	
LM End	35.56	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.103533 °	39.103533 °	
				-121.906814 °	-121.906814 °	
DWR ID	20398					
Comment Code						
Inspector Comment						
FS_ID:10425 DS_ID:20398 EP_NO: 9364 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Remove abandoned pipe from levee. FIELD_STRUCT_DESC: *ABANDONED* 4 of 4: 1.25-inch electrical conduit of an unknown material through the levee, 3 feet below the crown. (Automatic Board Order (ABO) issued as Permit No. 9364-A, 1974 - Alice Steidlmayer). FS Date: 3/18/2013						

Photo 2 of 2 : UCIP_FA_2018_10425_17701.jpg



Electrical conduit on WS shoulder.

LM Start	35.71	Rating **	M	Issue No.	60
LM End	35.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.105637 °	39.105637 °
				-121.907977 °	-121.907977 °
DWR ID	DWR_NA0016_01_f_2018_60				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	36.15	Rating **	M	Issue No.	1592	
LM End	36.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.111233 °		39.111233 °
				-121.911450 °		-121.911450 °
DWR ID	20345					
Comment Code						
Inspector Comment						
FS_ID:10426 DS_ID:20345 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Verify if pipe is abandoned with landowner and remove or abandon properly if necessary. FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drainage pipe through the levee, 17 feet below the crown. Slide gate on concrete headwall on waterside (WS) end. Walkway to control gate and gate valve on landside (LS) end. (24-inch pipe [HLM 36.61] authorized under Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 36.61)]. FS Date: 3/18/2013						

Photo 1 of 3 : UCIP_FA_2018_10426_17705.jpg



Slide gate on WS toe.

LM Start	36.15	Rating **	M	Issue No.	1592 (cont)
LM End	36.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10426_17704.jpg



Headwall and gate valve on LS toe buried but partially exposed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	36.15	Rating **	M	Issue No.	1592 (cont)	
LM End	36.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.111233 °		39.111233 °
				-121.911450 °		-121.911450 °
DWR ID	20345					
Comment Code						
Inspector Comment						
FS_ID:10426 DS_ID:20345 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Verify if pipe is abandoned with landowner and remove or abandon properly if necessary. FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drainage pipe through the levee, 17 feet below the crown. Slide gate on concrete headwall on waterside (WS) end. Walkway to control gate and gate valve on landside (LS) end. (24-inch pipe [HLM 36.61] authorized under Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): USACE Sacramento O&M Manual 131, May 1960 (HLM 36.61)]. FS Date: 3/18/2013						

Photo 3 of 3 : UCIP_FA_2018_10426_17703.jpg



Outlet/inlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	36.24	Rating **	M	Issue No.	1593
LM End	36.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.112377°	39.112377°
				-121.912286°	-121.912286°
DWR ID	20274				
Comment Code					
Inspector Comment					
FS_ID:10444 DS_ID:20274 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal irrigation pipe through the levee, 15.5 feet below the crown. Two corrugated metal cutoff walls. Slide gate in a 36-inch corrugated metal riser unit on the waterside (WS) slope. Pump house with no connection on the WS bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on landside (LS) toe. Skid rails mounted on wood piling on the WS slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the WS shoulder. Power pole and meter box on the WS shoulder. Switch panel in metal house on the WS slope. Concrete standpipe on the LS. Overhead power line crosses the levee to service pole. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/18/2013 7:51:00 AM					

LM Start	36.24	Rating **	M	Issue No.	1593 (cont)
LM End	36.24	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_10444_17725.jpg



36-inch CMP riser with slide gate on WS slope with 12-inch pipe at Toe.

Photo 2 of 3 : UCIP_FA_2018_10444_17724.jpg



Wooden ramp and 2-inch pump connection at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	36.24	Rating **	M	Issue No.	1593 (cont)	
LM End	36.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.112377 °	39.112377 °	
				-121.912286 °	-121.912286 °	
DWR ID	20274					
Comment Code						
Inspector Comment						
FS_ID:10444 DS_ID:20274 EP_NO: 9374 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be abandoned properly. FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal irrigation pipe through the levee, 15.5 feet below the crown. Two corrugated metal cutoff walls. Slide gate in a 36-inch corrugated metal riser unit on the waterside (WS) slope. Pump house with no connection on the WS bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on landside (LS) toe. Skid rails mounted on wood piling on the WS slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the WS shoulder. Power pole and meter box on the WS shoulder. Switch panel in metal house on the WS slope. Concrete standpipe on the LS. Overhead power line crosses the levee to service pole. (Automatic Board Order (ABO) issued as Permit No. 9374, 1974 - Richard H. Moore). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/18/2013 7:51:00 AM						

Photo 3 of 3 : UCIP_FA_2018_10444_17723.jpg



Pump house, JP, and wooden ramp on WS slope.

LM Start	36.90	Rating **	M	Issue No.	101
LM End	37.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.120210 °	39.121510 °
				-121.917018 °	-121.921172 °
DWR ID	DWR_NA0016_01_s_2015_101				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	37.07	Rating **	A/W	Issue No.	33
LM End	37.15	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.121003°	39.121547°
				-121.919888°	-121.921278°
DWR ID	DWR_NA0016_01_s_2012_33				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					
Revegetation site is fenced off.					

Photo 1 of 2 : FA_2018_NA0016_435_33_20180904_00013.jpg



View of the revegetation site on the waterward berm of the levee looking upstream. Spring 2016.

LM Start	37.07	Rating **	A/W	Issue No.	33 (cont)
LM End	37.15	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : FA_2018_NA0016_435_33_20180904_00014.jpg



Sign stating the revegetation site. Spring 2016.

LM Start	37.87	Rating **	M	Issue No.	175
LM End	37.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.128344°	39.128344°
				-121.930752°	-121.930752°
DWR ID	DWR_NA0016_01_s_2017_175				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete debris on waterside slope, blocking access.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	39.93	Rating **	M	Issue No.	1594	
LM End	39.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.143387 °		39.143387 °
				-121.927196 °		-121.927196 °
DWR ID	20282					
Comment Code						
Inspector Comment						
FS_ID:10528 DS_ID:20282 EP_NO: 9352 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to have been removed from levee section. Need to verify pipe abandonment. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Switch house on the waterside (WS) shoulder. Pump and gate valve on the WS bank. Concrete discharge standpipe on the landside (LS). (For a 14-inch pipe, Permit No. 635, 1935 - Henry F. Schmidt). (Automatic Board Order (ABO) issued as Permit No. 9351, 1974 - W. A. Gerrans). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 40.43)]. FS Date: 3/21/2013						

LM Start	39.93	Rating **	M	Issue No.	1594 (cont)
LM End	39.93	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_10528_17854.jpg



Concrete standpipe at LS toe.

Photo 2 of 3 : UCIP_FA_2018_10528_17853.jpg



Pipe visible at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	39.93	Rating **	M	Issue No.	1594 (cont)	
LM End	39.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.143387 °		39.143387 °
				-121.927196 °		-121.927196 °
DWR ID	20282					
Comment Code						
Inspector Comment						
FS_ID:10528 DS_ID:20282 EP_NO: 9352 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears to have been removed from levee section. Need to verify pipe abandonment. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 5 feet below the crown. Switch house on the waterside (WS) shoulder. Pump and gate valve on the WS bank. Concrete discharge standpipe on the landside (LS). (For a 14-inch pipe, Permit No. 635, 1935 - Henry F. Schmidt). (Automatic Board Order (ABO) issued as Permit No. 9351, 1974 - W. A. Gerrans). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 40.43)]. FS Date: 3/21/2013						

Photo 3 of 3 : UCIP_FA_2018_10528_17852.jpg



12-inch pipe debris on WS berm.

LM Start	39.93	Rating **	M	Issue No.	1595
LM End	39.93	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143387°	39.143387°
				-121.927196°	-121.927196°
DWR ID	22966				
Comment Code					
Inspector Comment					
FS_ID:11343 DS_ID:22966 EP_NO: 9352 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be removed. FIELD_STRUCT_DESC: 1.5-inch galvanized steel electrical conduit through the levee, at an unknown depth. Visible on the waterside (WS) slope. (Permit No. 635, 1935 - Henry F. Schmidt). FS Date: 3/21/2013					

Photo 1 of 2 : UCIP_FA_2018_11343_18741.jpg



Electrical conduit approximately perpendicular to concrete riser on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	39.93	Rating **	M	Issue No.	1595 (cont)							
LM End	39.93	Issue Type +	En	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP Field Study		39.143387°	39.143387°								
			-121.927196°	-121.927196°								
DWR ID	22966											
Comment Code												
Inspector Comment												
FS_ID:11343 DS_ID:22966 EP_NO: 9352 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe should be removed. FIELD_STRUCT_DESC: 1.5-inch galvanized steel electrical conduit through the levee, at an unknown depth. Visible on the waterside (WS) slope. (Permit No. 635, 1935 - Henry F. Schmidt). FS Date: 3/21/2013												

Photo 2 of 2 : UCIP_FA_2018_11343_18740.jpg



1.5-inch electrical conduit on WS slope.

LM Start	40.23	Rating **	C	Issue No.	136							
LM End	40.23	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		39.142277°	39.142277°								
			-121.921853°	-121.921853°								
DWR ID	DWR_NA0016_01_f_2017_136											
Comment Code												
TR : Tree or limb												
Inspector Comment												

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	40.44	Rating **	M	Issue No.	1596
LM End	40.44	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143838 °	39.143838 °
				-121.919338 °	-121.919338 °
DWR ID	20285				
Comment Code					
Inspector Comment					
FS_ID:10527 DS_ID:20285 EP_NO: 12799 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned. Need to verify type of abandonment FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 6.5 feet below the crown. 30-inch corrugated metal standpipe on landside (LS) toe. Pump on the waterside (WS) toe. Vent inside a 12-inch corrugated metal riser unit on the WS shoulder. (Permit No. 12799, 1979 - Bruce Myers). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/21/2013					

Photo 1 of 3 : UCIP_FA_2018_10527_17850.jpg



Vent in 12-inch CMP riser on WS shoulder.

LM Start	40.44	Rating **	M	Issue No.	1596 (cont)
LM End	40.44	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_10527_17849.jpg



30-inch CMP riser with slide gate at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	40.44	Rating **	M	Issue No.	1596 (cont)	
LM End	40.44	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.143838 °		39.143838 °
				-121.919338 °		-121.919338 °
DWR ID	20285					
Comment Code						
Inspector Comment						
FS_ID:10527 DS_ID:20285 EP_NO: 12799 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned. Need to verify type of abandonment FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 6.5 feet below the crown. 30-inch corrugated metal standpipe on landside (LS) toe. Pump on the waterside (WS) toe. Vent inside a 12-inch corrugated metal riser unit on the WS shoulder. (Permit No. 12799, 1979 - Bruce Myers). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/21/2013						

Photo 3 of 3 : UCIP_FA_2018_10527_17848.jpg



Slide gate in CMP riser on LS toe.

LM Start	40.64	Rating **	M	Issue No.	102
LM End	40.72	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.146602 °	39.147582 °
				-121.918897 °	-121.918429 °
DWR ID	DWR_NA0016_01_s_2015_102				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0016_435_102_20180904_00025.jpg



View of owner's fence on landside. Fall 2016 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	40.89	Rating **	M	Issue No.	1597
LM End	40.89	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.150054 °	39.150054 °
				-121.918717 °	-121.918717 °
DWR ID	20287				
Comment Code					
Inspector Comment					
FS_ID:10533 DS_ID:20287 EP_NO: 9351 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Should be abandoned properly. FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee, 17.5 feet below the crown. Slide gate on the waterside (WS) end. Discharges into a concrete box at the landside (LS) toe. Small pump discharges into a sump area in front of slide gate at WS toe. (Automatic Board Order (ABO) issued as Permit No. 9351, 1974 - W. A. Gerrans). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.39)]. FS Date: 3/21/2013					

LM Start	40.89	Rating **	M	Issue No.	1597 (cont)
LM End	40.89	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_10533_17865.jpg



Demolished concrete distribution box at LS toe.

Photo 2 of 3 : UCIP_FA_2018_10533_17864.jpg



Slide gate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	40.89	Rating **	M	Issue No.	1597 (cont)	
LM End	40.89	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.150054 °	39.150054 °	
				-121.918717 °	-121.918717 °	
DWR ID	20287					
Comment Code						
Inspector Comment						
FS_ID:10533 DS_ID:20287 EP_NO: 9351 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Should be abandoned properly. FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee, 17.5 feet below the crown. Slide gate on the waterside (WS) end. Discharges into a concrete box at the landside (LS) toe. Small pump discharges into a sump area in front of slide gate at WS toe. (Automatic Board Order (ABO) issued as Permit No. 9351, 1974 - W. A. Gerrans). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.39)]. FS Date: 3/21/2013						

Photo 3 of 3 : UCIP_FA_2018_10533_17863.jpg



Slide gate at WS toe.

LM Start	41.08	Rating **	A/W	Issue No.	1598
LM End	41.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.152347 °	39.152347 °
				-121.920610 °	-121.920610 °
DWR ID	20288				
Comment Code					
Inspector Comment					
FS_ID:10535					
DS_ID:20288					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 19 feet below the crown. 6-foot diameter corrugated metal standpipe on the landside (LS) toe. Pump and 24-inch pipe on the LS. Slide gate in corrugated metal riser unit on waterside (WS) slope. Concrete block wall at WS toe for discharge line. (Modified under Permit No. 8587, 1973 - Anthony E. Steidlmyer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.56)].					
FS Date: 3/21/2013					

Photo 1 of 3 : UCIP_FA_2018_10535_17877.jpg



Slide gate in CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	41.08	Rating **	A/W	Issue No.	1598 (cont)	
LM End	41.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.152347 °		39.152347 °
				-121.920610 °		-121.920610 °
DWR ID	20288					
Comment Code						
Inspector Comment						
FS_ID:10535 DS_ID:20288 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch drainage pipe of an unknown material through the levee, 19 feet below the crown. 6-foot diameter corrugated metal standpipe on the landside (LS) toe. Pump and 24-inch pipe on the LS. Slide gate in corrugated metal riser unit on waterside (WS) slope. Concrete block wall at WS toe for discharge line. (Modified under Permit No. 8587, 1973 - Anthony E. Steidlmaier). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 41.56)]. FS Date: 3/21/2013						

LM Start	41.08	Rating **	A/W	Issue No.	1598 (cont)
LM End	41.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10535_17876.jpg



6-foot diameter CMP riser with slide gates on LS toe.

Photo 3 of 3 : UCIP_FA_2018_10535_17875.jpg



24-inch CMP at connection to CMP riser on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	41.86	Rating **	M	Issue No.	1599	
LM End	41.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.158648 °	39.158648 °	
				-121.932429 °	-121.932429 °	
DWR ID	20289					
Comment Code						
Inspector Comment						
FS_ID:10536 DS_ID:20289 EP_NO: 9341 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned. Needs to be abandoned properly. FIELD_STRUCT_DESC: 30-inch irrigation pipe of an unknown material through the levee, 19.5 feet below the crown. Slide gate in a 36-inch corrugated metal riser unit on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 9341, 1974 - F. J. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 42.37)]. FS Date: 3/21/2013						

LM Start	41.86	Rating **	M	Issue No.	1599 (cont)
LM End	41.86	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_10536_17883.jpg



30-inch CMP at outlet on LS toe.

Photo 2 of 3 : UCIP_FA_2018_10536_17882.jpg



View from LS toe of CMP pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	41.86	Rating **	M	Issue No.	1599 (cont)	
LM End	41.86	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.158648 °	39.158648 °	
				-121.932429 °	-121.932429 °	
DWR ID	20289					
Comment Code						
Inspector Comment						
FS_ID:10536						
DS_ID:20289						
EP_NO: 9341						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned. Needs to be abandoned properly.						
FIELD_STRUCT_DESC: 30-inch irrigation pipe of an unknown material through the levee, 19.5 feet below the crown. Slide gate in a 36-inch corrugated metal riser unit on the waterside (WS) slope. (Automatic Board Order (ABO) issued as Permit No. 9341, 1974 - F. J. Steidlmayer). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 42.37)].						
FS Date: 3/21/2013						

Photo 3 of 3 : UCIP_FA_2018_10536_17881.jpg



Slide gate in CMP riser on WS toe.

LM Start	42.24	Rating **	M	Issue No.	103
LM End	43.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.163132°	39.175351°
				-121.936185°	-121.941780°
DWR ID	DWR_NA0016_01_s_2015_103				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	42.73	Rating **	A/W	Issue No.	146
LM End	42.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.169949 °	39.169949 °
				-121.938664 °	-121.938664 °
DWR ID	DWR_NA0016_01_f_2015_146				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : FA_2018_NA0016_435_146_20180904_00046.jpg



Slope stability issue due to foot traffic. Spring 2017.

LM Start	42.73	Rating **	A/W	Issue No.	146 (cont)
LM End	42.73	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2018_NA0016_435_146_20180904_00047.jpg



Slope stability issue due to foot traffic. Fall 2016 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	42.90	Rating **	A/W	Issue No.	95
LM End	43.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.172501 °	39.174949 °
				-121.939053 °	-121.940737 °
DWR ID	DWR_NA0016_01_f _ 2018_95				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 136.6 R					
Status: Eroding					
2017 Field Notes: New erosion observed along the entire bank slope.					
Site History: 2010 - Lower portion of 136.7 that did not extend far enough. Abrupt transition from upstream site. 2012 - Site extended upstream, minor new erosion. 2013 - Minor new erosion at the toe.					
New tree popout. Downstream limit extended. 2016 - Site continues to worsen, fresh erosion at toe.					

Photo 1 of 1 : FA_2018_NA0016_435_95_20181023_00238.jpg



USACE 2013 Photo #1

LM Start	43.05	Rating **	M	Issue No.	1600
LM End	43.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.174301 °	39.174301 °
				-121.940811 °	-121.940811 °
DWR ID	25485				
Comment Code					
Inspector Comment					
FS_ID:52625					
DS_ID:25485					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/23/2018 Contacted NA0016 superintendent about history and current status of the crossing. Confirmed that LMA has no additional information about this crossing that was put in before spring of 2017 (DWR UCIP-O.Yakimov)					
FIELD_STRUCT_DESC: 4-inch polyvinyl chloride (PVC) irrigation pipe through the levee, of an unknown depth below crown. Siphon breaker off landside (LS) shoulder. The pipe irrigates landscape on the waterside of the levee and is not permitted. Pipe found by DWR inspector Zach Jojola during Spring 2017 inspection.					
FS Date: 4/20/2017					

Photo 1 of 3 : UCIP_FA_2018_52625_76995.jpg



LS view of siphon breaker off LS shoulder. Photo courtesy of Zach Jojola, DWR inspector.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	43.05	Rating **	M	Issue No.	1600 (cont)	
LM End	43.05	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.174301 °	39.174301 °	
				-121.940811 °	-121.940811 °	
DWR ID	25485					
Comment Code						
Inspector Comment						
FS_ID:52625 DS_ID:25485 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/23/2018 Contacted NA0016 superintendent about history and current status of the crossing. Confirmed that LMA has no additional information about this crossing that was put in before spring of 2017 (DWR UCIP-O.Yakimov) FIELD_STRUCT_DESC: 4-inch polyvinyl chloride (PVC) irrigation pipe through the levee, of an unknown depth below crown. Siphon breaker off landside (LS) shoulder. The pipe irrigates landscape on the waterside of the levee and is not permitted. Pipe found by DWR inspector Zach Jojola during Spring 2017 inspection. FS Date: 4/20/2017						

LM Start	43.05	Rating **	M	Issue No.	1600 (cont)
LM End	43.05	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_52625_77553.jpg



Sprinkler system on the waterside berm. Spring 2018 inspection, photo courtesy of Zach Jojola.

Photo 3 of 3 : UCIP_FA_2018_52625_77554.jpg



Sprinkler system on the waterside berm. Spring 2018 inspection, photo courtesy of Zach Jojola.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	43.24	Rating **	M	Issue No.	46
LM End	43.24	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176429 °	39.176429 °
				-121.942889 °	-121.942889 °
DWR ID	DWR_NA0016_01_s_2012_46				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0016_435_46_20180904_00016.jpg



A solid fence along the toe of the levee. Photo taken spring 2012.

LM Start	45.39	Rating **	A/W	Issue No.	108
LM End	45.90	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.192653 °	39.188518 °
				-121.952768 °	-121.960446 °
DWR ID	DWR_NA0016_01_s_2015_108				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 2 : FA_2018_NA0016_435_108_20180904_00026.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start	45.39	Rating **	A/W	Issue No.	108 (cont)
LM End	45.90	Issue Type +	Ob	Location *	WS

Photo 2 of 2 : FA_2018_NA0016_435_108_20180904_00027.jpg



Sign stating revegetation site. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	45.82	Rating **	M	Issue No.	110
LM End	45.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.189371 °	39.189371 °
				-121.959562 °	-121.959562 °
DWR ID	DWR_NA0016_01_f_2018_110				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the waterside slope.					

No Photos

LM Start	46.01	Rating **	M	Issue No.	1601
LM End	46.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.187497 °	39.187497 °
				-121.962074 °	-121.962074 °
DWR ID	20314				
Comment Code					
Inspector Comment					
FS_ID:46812 DS_ID:20314 EP_NO: 15763 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Fresno valve on WS shoulder is broken. Pipe appears to be abandoned. Need to abandon properly if necessary. site visit on 10/09/2015 indicates water is present somewhere along the waterside levee slope. Possibly siphon breaker or fresno valve sprays and drains down levee slope from WS shoulder. internal inspection of pipe recommended to determine source of leak. Pipe is active, but can be removed and capped when not in use. FIELD_STRUCT_DESC: 4-inch galvanized steel irrigation pipe through the levee, 2 feet below the crown. Irrigation valve approximately 50 feet landward of the landside (LS) toe. Fresno valve on the waterside (WS) shoulder with connection for pump at the WS berm. (Permit No. 15763, 1991 - Randy Salverson). FS Date: 3/22/2013					

Photo 1 of 3 : UCIP_FA_2018_46812_17909.jpg



Broken fresno valve on WS shoulder

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	46.01	Rating **	M	Issue No.	1601 (cont)	
LM End	46.01	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.187497°	39.187497°	
				-121.962074°	-121.962074°	
DWR ID	20314					
Comment Code						
Inspector Comment						
FS_ID:46812 DS_ID:20314 EP_NO: 15763 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Fresno valve on WS shoulder is broken. Pipe appears to be abandoned. Need to abandon properly if necessary. site visit on 10/09/2015 indicates water is present somewhere along the waterside levee slope. Possibly siphon breaker or fresno valve sprays and drains down levee slope from WS shoulder. internal inspection of pipe recommended to determine source of leak. Pipe is active, but can be removed and capped when not in use. FIELD_STRUCT_DESC: 4-inch galvanized steel irrigation pipe through the levee, 2 feet below the crown. Irrigation valve approximately 50 feet landward of the landside (LS) toe. Fresno valve on the waterside (WS) shoulder with connection for pump at the WS berm. (Permit No. 15763, 1991 - Randy Salverson). FS Date: 3/22/2013						

LM Start	46.01	Rating **	M	Issue No.	1601 (cont)
LM End	46.01	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_46812_17908.jpg



Pipe connection at WS toe.

Photo 3 of 3 : UCIP_FA_2018_46812_17907.jpg



Electrical box at WS berm for portable pump.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	46.35	Rating **	U	Issue No.	1602
LM End	46.35	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.186111 °	39.186111 °	
			-121.968069 °	-121.968069 °	
DWR ID	20296				

Comment Code

Inspector Comment

FS_ID:53020

DS_ID:20296

EP_NO: 5551

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 10/15/2018 Multiple cracks and points of depression on levee crown pavement (Moon Bend Rd). Sink hole on LS shoulder next to CMP riser. Voids around lower part of CMP riser concrete pad on LS shoulder. Condition of this crossing has worsen since last inspection. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - A second pipe is visible adjacent to the intake pipe. According to the permit drawings, this pipe is an access pipe for a submersible pump used to clean the fish screen by backwashing. hole on LS shoulder of the levee and Moon Bend Rd. has been patched. No additional road damage is visible. (T. Hatch/UCIP) 09/01/2016 no visible changes from previous inspection. - (T. Hatch/UCIP) 10/09/2015 Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe. (T. Hatch/UCIP)

FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump mounted on a piling structure on the waterside (WS) bank. Switch box on the WS shoulder. Siphon breaker inside a 30-inch corrugated metal riser unit on the landside (LS) shoulder. Pipe discharges into a concrete box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9349, 1974 - Ramona Davis). (Pump and pump platform replaced under Permit No. 5551, 1966 - Ramona Davis). (Fish screen installed under Permit No. 17222, 2000 - A&L Rental and Leasing). [Additional Reference(s): DWR Levee Log, 2006].

FS Date: 10/15/2018 7:48:14 AM

Photo 1 of 3 : UCIP_FA_2018_53020_78180.jpg



Multiple cracks and poits of depression on levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	46.35	Rating **	U	Issue No.	1602 (cont)
LM End	46.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186111 °	39.186111 °
				-121.968069 °	-121.968069 °
DWR ID	20296				

Comment Code

Inspector Comment

FS_ID:53020

DS_ID:20296

EP_NO: 5551

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 10/15/2018 Multiple cracks and points of depression on levee crown pavement (Moon Bend Rd). Sink hole on LS shoulder next to CMP riser. Voids around lower part of CMP riser concrete pad on LS shoulder. Condition of this crossing has worsen since last inspection. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - A second pipe is visible adjacent to the intake pipe. According to the permit drawings, this pipe is an access pipe for a submersible pump used to clean the fish screen by backwashing. hole on LS shoulder of the levee and Moon Bend Rd. has been patched. No additional road damage is visible. (T. Hatch/UCIP) 09/01/2016 no visible changes from previous inspection. - (T. Hatch/UCIP) 10/09/2015 Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe. (T. Hatch/UCIP)

FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump mounted on a piling structure on the waterside (WS) bank. Switch box on the WS shoulder. Siphon breaker inside a 30-inch corrugated metal riser unit on the landside (LS) shoulder. Pipe discharges into a concrete box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9349, 1974 - Ramona Davis). (Pump and pump platform replaced under Permit No. 5551, 1966 - Ramona Davis). (Fish screen installed under Permit No. 17222, 2000 - A&L Rental and Leasing). [Additional Reference(s): DWR Levee Log, 2006].

FS Date: 10/15/2018 7:48:14 AM

Photo 2 of 3 : UCIP_FA_2018_53020_74723.jpg



Siphon Breaker in 20-inch CMP riser on LS Shoulder. Photo taken from LS looking DS along Moon Bend Rd

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	46.35	Rating **	U	Issue No.	1602 (cont)
LM End	46.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186111 °	39.186111 °
				-121.968069 °	-121.968069 °
DWR ID	20296				

Comment Code

Inspector Comment

FS_ID:53020

DS_ID:20296

EP_NO: 5551

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 10/15/2018 Multiple cracks and points of depression on levee crown pavement (Moon Bend Rd). Sink hole on LS shoulder next to CMP riser. Voids around lower part of CMP riser concrete pad on LS shoulder. Condition of this crossing has worsen since last inspection. Recommend internal pipe inspection to determine pipe integrity through levee. (O.Yakimov - DWR)09/23/2016 - A second pipe is visible adjacent to the intake pipe. According to the permit drawings, this pipe is an access pipe for a submersible pump used to clean the fish screen by backwashing. hole on LS shoulder of the levee and Moon Bend Rd. has been patched. No additional road damage is visible. (T. Hatch/UCIP) 09/01/2016 no visible changes from previous inspection. - (T. Hatch/UCIP) 10/09/2015 Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe. (T. Hatch/UCIP)

FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump mounted on a piling structure on the waterside (WS) bank. Switch box on the WS shoulder. Siphon breaker inside a 30-inch corrugated metal riser unit on the landside (LS) shoulder. Pipe discharges into a concrete box at the LS toe. (Automatic Board Order (ABO) issued as Permit No. 9349, 1974 - Ramona Davis). (Pump and pump platform replaced under Permit No. 5551, 1966 - Ramona Davis). (Fish screen installed under Permit No. 17222, 2000 - A&L Rental and Leasing). [Additional Reference(s): DWR Levee Log, 2006].

FS Date: 10/15/2018 7:48:14 AM

Photo 3 of 3 : UCIP_FA_2018_53020_78176.jpg



A sinkhole next to CMP riser on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	47.01	Rating **	M	Issue No.	54
LM End	47.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.188544 °	39.189733 °
				-121.979272 °	-121.981232 °
DWR ID	DWR_NA0016_01_s_2012_54				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Cactus on slope and toe of levee, landscape continues along roadway with fence and stairs.					

Photo 1 of 1 : FA_2018_NA0016_435_54_20180904_00017.jpg



View of the revegetation on the landward side of the levee looking upstream. Spring 2016.

LM Start	47.14	Rating **	C	Issue No.	137
LM End	47.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.189682 °	39.189682 °
				-121.981171 °	-121.981171 °
DWR ID	DWR_NA0016_01_f_2017_137				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	47.16	Rating **	M	Issue No.	1603	
LM End	47.16	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.189783 °	39.189783 °	
				-121.981548 °	-121.981548 °	
DWR ID	20298					
Comment Code						
Inspector Comment						
FS_ID:10553						
DS_ID:20298						
EP_NO: 9347						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to verify type of abandonment.						
FIELD_STRUCT_DESC: 1 of 2: 24-inch irrigation pipe of an unknown material through the levee, 25.5 feet below the crown. 14-inch pipe sleeved through 24-inch pipe. Annular space grouted. Pump inside pump house on the landside (LS). Gate valve inside pump house on the LS. (Automatic Board Order (ABO) issued as Permit No. 9347, 1974 - Floremon Orchards). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 47.71)].						
FS Date: 3/22/2013						

Photo 1 of 1 : UCIP_FA_2018_10553_17929.jpg



Possible location for pipe crossing.

LM Start	47.19	Rating **	A/W	Issue No.	90
LM End	47.62	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.189930 °	39.193491 °
				-121.982143 °	-121.988184 °
DWR ID	DWR_NA0016_01_s_2014_90				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0016_435_90_20180904_00021.jpg



A revegetation site along the waterside berm. Spring 2014

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	47.43	Rating **	A/W	Issue No.	126
LM End	47.53	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.191283 °	39.192405 °
				-121.986205 °	-121.987320 °
DWR ID	DWR_NA0016_01_f_2017_126				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:187					
Site Designation:SRWLD-05					
Repair Type: Seepage					
Rating:Area of Concern					
Field Date:7/14/2017					
Notes: Berm on LS levee slope will be replaced this season.					

LM Start	47.43	Rating **	A/W	Issue No.	126 (cont)
LM End	47.53	Issue Type +	Ob	Location *	

Photo 1 of 3 : LEVAL_FA_2018_187_1651.jpg



Photo 2 of 3 : LEVAL_FA_2018_187_1652.jpg

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	47.43	Rating **	A/W	Issue No.	126 (cont)
LM End	47.53	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.191283 °	39.192405 °
				-121.986205 °	-121.987320 °
DWR ID	DWR_NA0016_01_f _ 2017_126				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:187					
Site Designation:SRWLD-05					
Repair Type: Seepage					
Rating:Area of Concern					
Field Date:7/14/2017					
Notes: Berm on LS levee slope will be replaced this season.					

Photo 3 of 3 : LEVAL_FA_2018_187_1654.jpg



LM Start	47.62	Rating **	A/W	Issue No.	97
LM End	47.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.193769 °	39.195595 °
				-121.987901 °	-121.988621 °
DWR ID	DWR_NA0016_01_f_2018_97				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 141.5 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2010 - Old cobble site starting to unravel at toe. 2011 - Cobbles continue to unravel. 2013 - Site extended downstream to revetment.					

Photo 1 of 1 : FA_2018_NA0016_435_97_20181023_00239.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	47.71	Rating **	M	Issue No.	1604	
LM End	47.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.194772 °	39.194772 °	
				-121.988886 °	-121.988886 °	
DWR ID	20309					
Comment Code						
Inspector Comment						
FS_ID:10563 DS_ID:20309 EP_NO: 9347 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to determine type of abandonment. FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 16-inch steel irrigation pipe through the levee, 17.3 feet below the crown. Gate valve on the waterside (WS) end. Pump on the WS bank. Switch box on the WS shoulder. (Automatic Board Order (ABO) issued as Permit No. 9347, 1974 - Floremon Orchards). [Additional Reference(s): DWR Levee Log, 1980. USACE Sacramento O&M Manual 131, May 1960 (HLM 48.23)]. FS Date: 3/22/2013						

LM Start	47.71	Rating **	M	Issue No.	1604 (cont)
LM End	47.71	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_10563_17941.jpg



Concrete pumphouse debris on WS berm.

Photo 2 of 2 : UCIP_FA_2018_10563_17940.jpg



JP on WS shoulder for removed pump switch house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	47.95	Rating **	A/W	Issue No.	98
LM End	48.15	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 USACE Erosion Survey, DRAFT		39.198117°	39.200685°	
			-121.988106°	-121.986717°	
DWR ID	DWR_NA0016_01_f_2018_98				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 141.9 R Status: Eroding New 2017 Field Notes: Erosion along entire bank slope. Bank heavily vegetated. Tree popout that has removed a large of bank. Site History: DWR Inspector Comment: Large amount of berm left, and USACE will construct a seepage berm this year on the landside.					

No Photos

LM Start	47.96	Rating **	A/W	Issue No.	127
LM End	48.03	Issue Type +	Ob	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		39.198380°	39.199330°	
			-121.988603°	-121.988197°	
DWR ID	DWR_NA0016_01_f_2017_127				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:186 Site Designation:SRWLD-04 Repair Type: Seepage Rating:Serious Field Date:7/14/2017 Notes: Berm will be constructed this season.					

Photo 1 of 3 : LEVAL_FA_2018_186_1636.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

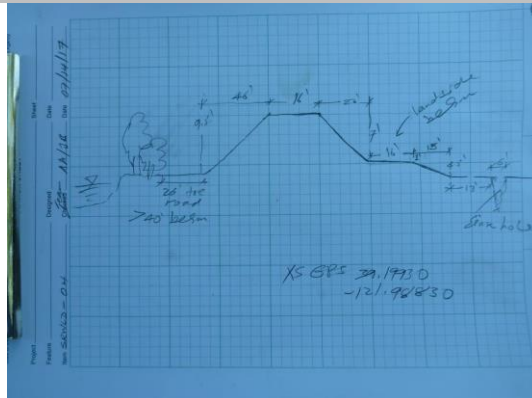
LM Start	47.96	Rating **	A/W	Issue No.	127 (cont)
LM End	48.03	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.198380 °	39.199330 °
				-121.988603 °	-121.988197 °
DWR ID	DWR_NA0016_01_f _ 2017_127				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:186					
Site Designation:SRWLD-04					
Repair Type: Seepage					
Rating:Serious					
Field Date:7/14/2017					
Notes: Berm will be constructed this season.					

LM Start	47.96	Rating **	A/W	Issue No.	127 (cont)
LM End	48.03	Issue Type +	Ob	Location *	

Photo 2 of 3 : LEVAL_FA_2018_186_1643.jpg



Photo 3 of 3 : LEVAL_FA_2018_186_1648.jpg

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	48.38	Rating **	M	Issue No.	1605
LM End	48.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.203761 °	39.203761 °
				-121.985220 °	-121.985220 °
DWR ID	20300				
Comment Code					
Inspector Comment					
FS_ID:10566					
DS_ID:20300					
EP_NO: 9343					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears to be abandoned. Need to verify type of abandonment.					
FIELD_STRUCT_DESC: 2 of 2: 24-inch irrigation pipe of an unknown material through the levee, 15.5 feet below the crown. (Pipe measures 12 inches on landside (LS) toe). Slant pump on steel piling structure on the waterside (WS) bank. Butterfly valve at the LS toe. Overhead power line crosses the levee. (Automatic Board Order (ABO) issued as Permit No. 9343, 1974 - Emile F. Cribari). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 48.91)].					
FS Date: 3/22/2013					

LM Start	48.38	Rating **	M	Issue No.	1605 (cont)
LM End	48.38	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_10566_17954.jpg



Siphon Breaker in 30-inch CMP riser on LS shoulder and butterfly valve at LS toe.

Photo 2 of 3 : UCIP_FA_2018_10566_17953.jpg



Pump covered in brush on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	48.38	Rating **	M	Issue No.	1605 (cont)
LM End	48.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.203761 °	39.203761 °
				-121.985220 °	-121.985220 °
DWR ID	20300				
Comment Code					
Inspector Comment					
FS_ID:10566					
DS_ID:20300					
EP_NO: 9343					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears to be abandoned. Need to verify type of abandonment.					
FIELD_STRUCT_DESC: 2 of 2: 24-inch irrigation pipe of an unknown material through the levee, 15.5 feet below the crown. (Pipe measures 12 inches on landside (LS) toe). Slant pump on steel piling structure on the waterside (WS) bank. Butterfly valve at the LS toe. Overhead power line crosses the levee. (Automatic Board Order (ABO) issued as Permit No. 9343, 1974 - Emile F. Cribari). [Additional Reference(s): DWR Levee Log, 2006. USACE Sacramento O&M Manual 131, May 1960 (HLM 48.91)].					
FS Date: 3/22/2013					

Photo 3 of 3 : UCIP_FA_2018_10566_17952.jpg



Pump on structure covered in brush on WS berm.

LM Start	48.44	Rating **	A/W	Issue No.	138
LM End	48.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.204613 °	39.204980 °
				-121.984721 °	-121.984580 °
DWR ID	DWR_NA0016_01_f_2018_138				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings have been burned.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	48.58	Rating **	M	Issue No.	199
LM End	49.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.206495 °	39.213650 °
				-121.984426 °	-121.999883 °
DWR ID	DWR_NA0016_01_s_2017_199				
Comment Code					
FE : Fence					
Inspector Comment					
Fence along landside levee toe blocking access.					

Photo 1 of 1 : FA_2018_NA0016_435_199_20180904_00051.jpg



Fence along landside levee toe blocking access. Spring 2017.

LM Start	49.42	Rating **	A/W	Issue No.	113
LM End	49.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.213303 °	39.213303 °
				-121.996915 °	-121.996915 °
DWR ID	DWR_NA0016_01_f_2018_113				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Runoff erosion on the waterside berm. Recommend monitoring.					

Photo 1 of 1 : FA_2018_NA0016_435_113_20181011_00229.jpg



View of erosion on the waterside berm. Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	49.64	10/10/2018 10/10/2018	Zach Jojola

LM Start	49.46	Rating **	A/W	Issue No.	105
LM End	49.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.213608 °	39.213869 °
				-121.997543 °	-121.999641 °
DWR ID	DWR_NA0016_01_f _ 2018_105				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 143.5 R Status: Eroding 2017 Field Notes: New erosion along lower slope. Site History: 2011 - Multiple scallops, one tree pop out. Old cobble site starting to unravel at midbank. 2012 - Mid bank slumping continues to worsen but cobble at the toe appears stable.					
DWR Inspector Comment: Erosion on the waterside berm. Recommend monitoring.					

Photo 1 of 1 : FA_2018_NA0016_435_105_20181023_00240.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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